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CATALOGUE

OF

BRITISH ICHNEUMONIDÆ

IN

THE COLLECTION

OF

THE BRITISH MUSEUM.

BY

THOMAS DESVIGNES, M.E.S.

LONDON:
PRINTED BY ORDER OF THE TRUSTEES.

1856.

ENTOMOLOGY

LONDON:
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE STREET, BISHOPSGATE.

QL 568
I2 B68
Entomol.

PREFACE.

THE object of the present Catalogue has been to give a complete list of the species of Ichneumonidæ that have been recorded as found in the British Islands, marking with B. M. in the margin the species contained in the British Museum. The cabinets, where the species, at present *desiderata* to that collection, may be seen, are indicated.

The species are arranged according to the method, used in Professor I. L. C. Gravenhorst's *Ichneumonologia Europæa*, Vratislaviæ, 1829, 3 vols. 8vo., and those supposed to be new are described by the author.

JOHN EDWARD GRAY.

British Museum,
May 1st, 1856.

ADDITIONS, &c.

Page 25, *after* 139. ICHNEUMON MESSORIUS, *add* B. M.

„ 31, *after* BRACHYPTERUS MEANS, separate synonyms, and *add*

Subgenus 5. MICROLEPTES.

1. MICROLEPTES SPLENDIDULUS. B. M.

Page 44. Species 4 to 8 in synonyms, *read* Tryphon *for* Cteniscus.

„ 64. Line 9, *for* crenitorsus *read* crenicornis.

CATALOGUE

OF THE

BRITISH ICHNEUMONIDÆ.

Fam. ICHNEUMONIDÆ.

Genus 1. ICHNEUMON.

SECTION I.—*Scutellum and abdomen black.*

1. ICHNEUMON MONTICOLA.

Fem. *Antennis albo annulatis. Aculeo exserto brevi. Reliquis sicut in mare.*

Ichneumon monticola, *Grav. Ichn. Eur.* i. 108, 1.

Antennæ involute from the 7th—14th joints white above; 12th—14th beneath fuscous. Aculeus 1½ line in length. Length 7—8 lines.

In Mr. Desvignes' collection.

2. ICHNEUMON COMITATOR. B. M.

Ichneumon comitator, *Linn. Faun. Suec.* n. 1600. *Syst. Nat.* ii. 933, 24. *Degeer, Ins.* t. 40, f. 10. *Grav.* i. 108, 2. *Wesm. Tent.* 30, 17. ♀. sola.

Ichneumon auspex, *Müll. Prodr.* n. 1792.

3. ICHNEUMON NIGRITARIUS. B. M.

Ichneumon nigritarius, *Grav.* i. 113, 4. ♂, (partim), *Wesm. Tent.* 65.

4. ICHNEUMON NIGROCYANEUS. B. M.

Ichneumon nigrocyaneus, *Grav.* i. 117, 6.

5. ICHNEUMON PALLIFRONS. B. M.

Ichneumon pallifrons, *Grav.* i. 117, 7.
♂. Ichneumon pallifrons, *Wesm. Tent.* 70, 67.
♀. Ichneumon perisclis, *Wesm. Tent.* 32, 20.

6. ICHNEUMON MACULIFRONS. B. M.

Ichneumon maculifrons, *Step. Mand.* vii. 133, 19.
Ichneumon pallifrons? *Grav.* (partim).

7. ICHNEUMON LINEATOR. B. M.

Ichneumon lineator, *Grav.* i. 120, 9.
♂. Cryptus lineator, *Fab. Piez.* 87, n. 70.
Ichneumon narrator, *Fab. Piez.* 67, n. 76. *Thunb. Ich.* n. 487. *Trent. Revis.* 21, n. 8. *Isis*, 1826, p. 68.
♀. Ichneumon biguttatus, *Thunb. Act. Ups.* iv. 24, n. 41. *Gmel. ed. Linn.* 2688, n. 126.
Ichneumon nigrator, *Fab. Ent.* 150, n. 68. *Piez.* 65, n. 57. *Wesm. Ich. Belg.* 22, n. 3.
Ichneumon ferreus (partim, *var.* 3, *Grav.*)

8. ICHNEUMON CASTIGATOR. B. M.

Ichneumon castigator, *Fab. Ent. Syst.* ii. 166, n. 135. *Grav.* i. 125, 10.
Ichneumon certator, *Müll. Prod.* n. 1822.
Ichneumon Cardui, *Schrank, Rein.* 124.
Ichneumon ruficingulus, *Schrank, Faun. Boica*, n. 2073.
Ichneumon adustus, *Gmel. Syst. Nat.* 2699, n. 268.
Amblyteles castigator, *Wesm. Ich. Belg.* 129, 24.

9. ICHNEUMON NIGERRIMUS. B. M.

Ichneumon nigerrimus, *Step. Mand.* vii. 130, n. 10.

10. ICHNEUMON NIGRICORNIS.

Ichneumon nigricornis, *Wesm. Ich. Belg.* 28, 13.

In Mr. Desvignes' collection.

11. ICHNEUMON BILINEATUS. B. M.

Ichneumon bilineatus, *Gmel.* (*Grav.* i. 127, 11). *Wesm. Ich. Belg.* 26, n. 11.

♂. Ichneumon comitator, *Sulzer, Gesch.* t. 26, f. 14. *Christ.* t. 36, f. 3.

12. ICHNEUMON ÆTHIOPS. B. M.

Ichneumon æthiops, *Grav.* i. 130, 12. *Wesm. Ich. Belg.* 68.
Ichneumon nigritarius, ♂, *var.* iv.

13. ICHNEUMON ALBIMANUS.

Ichneumon albimanus, *Grav.* i. 132, 13b.

In Mr. Hope's collection.

14. ICHNEUMON RUFIPES. B. M.

♂. Ichneumon rufipes, *Step. Mand.* vii. 131, sp. 13.

15. ICHNEUMON TORVUS. B. M.

Ichneumon (Eurylabus) torvus, *Wesm. Tent.* 151.
♀. Ichneumon rufipes, *Step.*
♂.? Ichneumon tristis, *Grav.* i. 139, 6, 15. *Wesm. Ich. Amb. Eur.* 1854, pl. 1, f. 4.

16. ICHNEUMON DIRUS. B. M.

Ichneumon (Eurylabus) dirus, *Wesm. Ext. des Bull. de l'Acad. Roy.* xx. 3me pt., p. 297.
♂. Ichneumon platyuri, 1854, p. 1, f. 5.

17. ICHNEUMON CORRUSCATOR. B. M.

Ichneumon corruscator; *Linn. Faun. Suec.* 1606. *Syst. Nat.* 934, 31. *Grav.* i. 133, 14.
Ichneumon ambulator, *Müll. Prodr.* n. 1825.
Var. 2, ♂.? Ichneumon luridus (*Grav.* i. 406, 159). *Wesm. Ich. Belg.* 71, n. 68.

18. ICHNEUMON TRISTIS B.M.

Ichneumon tristis, *Grav.* i. 137, 15. See *I. torvus.*

The female with a ? *Grav.* 137, is the female of *I.* (*Eurylabus*) *dirus*, Wesm.

19. ICHNEUMON RUBELLUS. B. M.

Ichneumon rubellus, *Gmel. Syst. Nat.* 2704, n. 316. *Grav.* i. 138, 16.

20. ICHNEUMON RUFIFRONS. B. M.

Ichneumon rufifrons, *Grav.* i. 139, 17.

21. ICHNEUMON CLERICUS. B. M.

Ichneumon clericus, *Grav.* i. 140, 18.
Ichneumon (Eristieus) clericus, *Wesm. Ich. Belg.* 13.

22. ICHNEUMON CANALICULATUS. B. M.

Ichneumon canaliculatus, *Grav.* i. 141, 19.

In Mr. Desvignes' collection.

23. ICHNEUMON STIMULATOR. B. M.

Ichneumon stimulator, *Grav.* i. 143, 21.
Ichneumon (Phæogines) stimulator, *Wesm. Ich. Belg.* 184, 185.

24. ICHNEUMON BRUNNICORNIS. B. M.

Ichneumon brunnicornis, *Grav.* i. 145, 22.
Ichneumon (Herpestomus) brunnicornis, *Wesm. Ich. Belg.* 170.

25. ICHNEUMON MACULICORNIS. B. M.

Ichneumon maculicornis, *Step. Mand.* vii. 136, sp. 28.

26. ICHNEUMON ANNULATOR. B. M.

Ichneumon annulator, *Fab. Syst. Piez.* 65, 59. *Grav.* i. 147, 24.
♀. Ichneumon culex, *Müll. Prodr.* n. 1797.
Ichneumon clavipes, *Gmel. Syst. Nat.* 2688, n. 257.
Ichneumon tibialis, *Fourcroy*, 407, n. 44.
♂. Ichneumon fabricator, *Fab. Syst. Piez.*
Ichneumon fulvipes, *Step. Mand.* vii. 144, 48.

27. ICHNEUMON PUMILUS. B. M.

Ichneumon pumilus, *Grav.* i. 152, 26.
Ichneumon (Dicælotus) pumilus, *Wesm. Ich. Belg.* 175, 1.

28. ICHNEUMON TIBIATOR. B. M.

Ichneumon tibiator, *Grav.* i. 151, 25.

29. ICHNEUMON MACULIVENTRIS, n. s. B. M.

Scutello nigro. Antennarum annulo flavo-albo. Pedibus nigris. Tibiis anticis, extrorsum albido-stramineis. Tarsis posticis medio annulatis. Stigmate alarum rufo-ferrugineo. Segmentorum 2 et 3 marginibus lateralibus ferrugineis, (ventre flavo segmento 2o; lineâ, 3 et 4 maculis utrinque quadrati nigris).

Capite maculâ laterali. Clypeo et orbitis oculorum verticalibus flavis. Palpis stramineis. Antennis setaceis nigris; articulis 11—16 flavo-albis, subtus fuscis. Thorace gibbo. Scutello nitido, subelevato. Suturâ, versus alas sinuatâ, elevatâ. Areolâ supero-mediâ metathoracis, subquadrata hexangulata crebre punctata. Alis fumato-hyalinis, stigmate rufo. Radio piceo radice rufo-stramineo. Areolâ quinqueangulari, subquadrangulari. Pedibus nigris, femoribus anterioribus subtus nigro-badiis, apice ferrugineis. Tibiis mediis apice summo, necnon articulis tarsorum apicibus fulvis. Tarsis posticis nigris articulis 2 et 3 medio annulo flavo-albido. Abdomine elongato-ovato segmento primo nitido lineis duabus elevatis, apice trianguli formam excavati efficentibus 2 et 3 opacis, marginibus lateralibus quartique basi rufo, 4—7 apicibus summis rufescentibus. Aculeo exserto brevi.

30. ICHNEUMON OBATOR, n. s. B. M.

Mas. *Areola triangulari. Orbitis oculorum internis albis. Coxis et trochanteribus nigris. Pedibus anterioribus rufis, femoribus posticis apice distincte nigro annulatis. Tarsis et tibiis nigris, his ante basin rufis. Stigmate alarum nigro.*

Head: inner facial and frontal orbits of the eyes pale. Antennæ setaceous, about three-fourths the length of the body. Thorax gibbous. Metathorax ruggedly punctate. Scutellum somewhat elevated. Wings: stigma black; costa and scales pitchy; areolet triangular. Legs red; coxæ and trochanters black; hinder femora at the apex with a distinct small black ring; also the tarsi and tibiæ black, the latter red towards the base. Abdomen: first segment very little broader at the apex than the petiole; second segment elongate, the extreme apex ferruginous; 3—5 nearly equilateral; 6—8 obconic; the apex acute. Length 4—4½ lines.

SECTION II.—*Scutellum black. Abdomen with white markings.*

31. ICHNEUMON CESSATOR. B. M.

Ichneumon cessator, *Müll. Prodr.* n. 1833. *Grav.* i. 155, 27.
Ichneumon custodiator, *Fab. Ent. Syst.* ii. 166, n. 136. *Trent. Revis.* 23, n. 11. In *Iside*, 1826, p. 70.
♂. Ichneumon compunctor, *Marsham.*
Ichneumon calceatorius? *Step. Cat.* 347, n. 4354.

32. ICHNEUMON LEUCOPYGUS. B. M.

Ichneumon leucopygus, *Grav.* i. 156, 29.

33. ICHNEUMON TRANSFUGA.

Ichneumon transfuga, *Grav.* i. 158, 29b.

In Mr. Hope's collection.

SECTION III.—*Scutellum white. Abdomen black.*

34. ICHNEUMON LARVATUS.

Ichneumon larvatus, *Christ.* 348, t. 35, f. 5. *Grav.* i. 160, 30.

In Mr. Desvignes' collection.

35. ICHNEUMON SUBSERICANS. B. M.

Ichneumon subsericans, *Grav.* i. 161, 31.
♀. Ichneumon pedestrinus, *Grav. Pede.* n. 25.
♂. Ichneumon cognatus, *Step. Mand.* vii. 139, sp. 37.
Ichneumon (Amblyteles) subsericans, *Wesm. Ich. Belg.* 128, n. 22.
Ichneumon fossorius, *Linn. Faun. Suec.* n. 1599. *Syst. Nat.* xii. 933, n. 22.

36. ICHNEUMON FOSSORIUS.

Ichneumon fossorius, *Müll. Prodr.* n. 1788. *Grav.* i. 164, 32.
♂. Ichneumon fuscipes, *Fourcroy*, 412, n. 56.
Ichneumon gladiatorius, *Müll. Prodr.* n. 1783.
Ichneumon trichrous, *Gmel. Syst. Nat.* 2683, n. 235.
Ichneumon crassicornis, *Step. Mand.* vii. 140, sp. 37.

37. ICHNEUMON TRUCIDATOR.

Ichneumon trucidator, *Grav.* i. 172, 37.

In Mr. Desvignes' collection.

38. ICHNEUMON TRILINEATUS. B. M.

Ichneumon trilineatus, *Gmel. Syst. Nat.* 2679, n. 228. *Grav.* i. 173, 39.

39. ICHNEUMON SCUTELLATOR. B. M.

Ichneumon scutellator, *Grav.* i. 175, 40.
Ichneumon digrammus, *Grav.* i. 179, 43.

In Mr. Desvignes' collection.

40. ICHNEUMON ALTICOLA. B. M.

♀. Ichneumon alticola, *Grav.* i. 478, 195. (Sect. viii.)
♂. Ichneumon femorator, *Step. Mand.* vii. 142, sp. 43.
Ichneumon (Probolus) alticola, *Wesm. Mantiss Ich. Belg.* 1848, p. 69. *Id. Ich. Amb. Eur.* 1854. (*Ichneumones platyuri*), pl. 1, f. 1, 2.

41. ICHNEUMON ALBIFRONS. B. M.

Ichneumon albifrons, *Step. Mand.* vii. 144, 49.
Ichneumon maculifrons? *Step. Mand.* vii. 133, 19.

42. ICHNEUMON DIGRAMMUS.

Ichneumon digrammus, *Grav.* i. 179, 43. *Id. Ped.* n. 14.

In Mr. Desvignes collection.

43. ICHNEUMON PEDATORIUS. B. M.

Ichneumon pedatorius, *Fab. Ent. Syst.* ii. 133, 4. *Grav.* i. 180, 44.
Platylobus pedatorius, *Wesm. Tent.* 158, 7.

44. ICHNEUMON OCHROPIS. B. M.

Ichneumon ochropis, *Gmel. Syst. Nat.* 2679, n. 230. *Grav.* i. 182, 45. *Wesm. Tent.* 104, 112.

(Ichneumon fabricator,—see Sect. I.)

45. ICHNEUMON IRIDIPENNIS.

Ichneumon iridipennis, *Grav.* i. 194, 50.
Platylabus iridipennis, *Wesm. Tent.* 162, 13.

In Mr. Desvignes' collection.

46. ICHNEUMON PALLIDATORIUS. B. M.

Ichneumon pallidatorius, *Grav.* i. 196, 51.
(♀.? Ichneumon rufifrons, *Grav.*) *Wesm. Tent.* 104, 113.

47. ICHNEUMON RESTAURATOR.

Ichneumon restaurator, *Grav.* i. 197, 52.

In Mr. Desvignes' collection.

48. ICHNEUMON UMBRACULOSUS. B. M.

Ichneumon umbraculosus, *Grav.* i. 199, 53.

49. ICHNEUMON LUCTUOSUS. B. M.

Ichneumon luctuosus, *Grav.* i. 200, 54.

50. ICHNEUMON DUMETICOLA.

Ichneumon dumeticola, *Grav.* i. 203, 56.

In Mr. Desvignes' collection.

51. ICHNEUMON FUNEREUS. B. M.

Ichneumon funereus, *Fourcroy*, 406, n. 40.
Ichneumon funerarius, *Oliv.* 169, 28.
Ichneumon molitorius, *Fab. Ent. Syst.* ii. 133, n. 3. (*Varietas abdomine pedibusque totis atris*).
Ichneumon comitator, *Razoumowsky*, 215, § 246, *var.* 2.

52. ICHNEUMON MELANOGASTER. B. M.

Ichneumon melanogaster, *Gmel. Syst. Nat.* 2678, 224. *Grav.* i. 209, 61.
Ichneumon (Hepiopelmus) melanogaster, *Wesm. Tent.* 141, 1.

53. ICHNEUMON SEMIORBITALIS.

Ichneumon semiorbitalis, *Grav.* i. 212, 63.
Ichneumon languidus (partim), *Wesm. Tent.* 52, 45.

In Mr. Desvignes' collection.

54. ICHNEUMON SICARIUS. B. M.

Ichneumon sicarius, *Grav.* i. 214, 64.
♀. Ichneumon nigratorius, *Panz. Faun. Ins. Germ.* 73, 12.
♂.? Ichneumon jugatus, *Grav.* i. 452, 182.

55. ICHNEUMON LUGENS. B. M.

Ichneumon lugens, *Grav.* i. 215, 65.
Ichneumon (Chasmodes) lugens, *Wesm. Tent.* 16, 2.

56. ICHNEUMON PROTEUS. B. M.

Ichneumon Proteus, *Christ.* 347, t. 35, f. 2.
♂. Ichneumon laminatorius, *Fab. Ent. Sup.* 220, 33.

57. ICHNEUMON MULTIANNULATUS. B. M.

Ichneumon multiannulatus, *Grav.* i. 223, 69.
♀. Ichneumon molitorius, (*segmento 7o puncto dorsali albo, abdomine subpurpurascente*), *Grav.* i. 258, 87 (partim).

58. ICHNEUMON FUSCIPES. B. M.

Ichneumon fuscipes, *Gmel. Syst. Nat.* 2684, n. 242. *Grav.* i. 224, 70. *Wesm. Tent.* 23, 7.

59. ICHNEUMON PISTORIUS. B. M.

Ichneumon pistorius (Musei Hellwigeani), *Grav.* i. 234, 74.
♀. Ichneumon deliratorius, *Grav.* i. 231, 74 (*mare excluso*).

SECTION IV.—*Scutellum pale or with pale markings. Abdomen black; the terminal segments generally white.*

Exceptions. — Ichneumon computatorius, I. molitorius, I. spoliator and I. salicatorius,—second segment more or less ferruginous. ♂. I. crassorius,—second and third segments dirty yellow.

60. ICHNEUMON SATURATORIUS. B. M.

Ichneumon saturatorius, *Linn. Faun. Suec.* n. 1586. *Syst. Nat.* 931. *Degeer, Ins.* i. 23, f. 16.
Ichneumon nigratorius, *Pontoppidan*, 457, n. 6.
Ichneumon clavatorius, *Müll. Prodr.* n. 1774.
Ichneumon saturatorius, *Grav.* i. 237, 77. *Wesm. Tent.* 66, 62.

61. ICHNEUMON ANATOR. B. M.

Ichneumon anator, *Fab. Ent.* ii. 169, n. 149. *Grav.* i. 250, 81. *Wesm. Tent.* 220, 92b.
Ichneumon biscutatus, *Gmel. Syst. Nat.* 2679, n. 233.
Cryptus anator, *Fab. Piez.* 87, n. 74.

62. ICHNEUMON QUADRIALBATUS. B. M.

Ichneumon quadrialbatus, *Grav.* i. 252, 83.

63. Ichneumon quæsitorius. B. M.

Ichneumon quæsitorius, *Linn. Faun. Suec.* n. 1582. *Grav.* 253, 84.

64. Ichneumon leucomelas. B. M.

Ichneumon leucomelas, *Gmel. Syst. Nat.* 2679, n. 227. *Grav.* i. 255, 85.

♂. Ichneumon albolineatus, *Grav.* i. 450, 180.

Ichneumon binotatus, *Step. Mand.* vii. 147, 57.

65. Ichneumon microcephalus. B. M.

Ichneumon microcephalus, *Step. Mand.* vii. 158, 86.

66. Ichneumon spoliator. B. M.

Ichneumon (Amblyteles) spoliator, *Wesm. Tent.* 117, 7, *var.* 1.

67. Ichneumon paludator. B. M.

Ichneumon paludator, *Desv. Trans. Ent. Soc. Lond.*

68. Ichneumon computatorius. B. M.

Ichneumon computatorius, *Müll. Prodr.* n. 1769. *Grav.* i. 256, 86. *Wesm. Tent.* 50, 44.

69. Ichneumon molitorius. B. M.

Ichneumon molitorius, *Linn. Faun. Suec.* n. 1587. *Syst. Nat.* 931, n. 10.

70. Ichneumon salicatorius.

Ichneumon salicatorius, *Grav.* i. 245, 79, *var.* 1.

In Mr. Desvignes' collection.

71. Ichneumon crassorius, n. s. B. M.

Mas. *Facie et thorace flavo maculatis. Segmentis* 2 *et* 3 (*et* 4 *partim*) *sordide flavis. Tarsis et tibiis flavis, his posticis apice nigris.* (Long. 8½—9 lin.)

Head: face entirely yellow. Antennæ black, underneath obscure yellow-ferruginous; first joint yellow. Thorax: collar above, a line below and one above the wings nearly reaching to the collar,

yellow. Metathorax scabrous; the central area large, transverse; basal line convex. Scutellum yellow. Wings at the base and stigma fulvous; areolet, 5 angular, narrowest at the apex. Legs: first and second pair and coxæ yellow at the apex; also the apex of all the trochanters; femora black, the two anterior pairs on one side and the posterior yellow at the base and apex; tarsi and tibiæ yellow, the hinder part of the latter black at the apex. Abdomen: first segment black, between the ridges aciculated; second segment yellow, more or less black at the base and outer margins, with a fuscous transverse line before the apex in the middle sometimes diverging upwardly; third yellow, occasionally as in the second; fourth black, with the margins sometimes yellow, leaving, as it were, an inverted black cone reaching to the apex; the remainder black.

Var. 1. First segment with two yellow spots at the apex towards its margins.

Fem. *Antennis annulo flavo-albo. Orbitis oculorum frontalibus rufo-flavis. Abdomine; segmentis* 6 *et* 7 *maculâ dorsali flavo-albâ.*

Fem. Black. Head with the frontal orbits yellowish red. Apex of mandibles red. Palpi rusty. Antennæ stout, from the apex of the 8th to the 16th or 17th joints cream-white. Thorax: a yellow line below the wings, and sometimes a reddish one above on the suture. Scutellum yellowish white. Metathorax and wings as in the male. Legs black; the tip of the two anterior pair reddish. Tibiæ ferruginous; the middle and posterior pairs dusky at the apex. Tarsi rusty. Abdomen black; the apex of the first segment finely aciculate; the second deeply; the third finely punctate; the sixth and seventh with a central yellowish white spot on each. Length 7½—9 lines.

♂. ? Ichneumon bisignatus, *Grav.* i. 410, 161b.
♂. Ichneumon luctatorius, *var.* 1, *Grav.* i. 411, 162.

Note. — The central area of the metathorax differs from *I. computatorius*, being transverse, whereas in the latter it is elongate.

72. Ichneumon relucens, n. s.

Fœm. *Abdomine atro, nitido. Segmento* 7*o maculâ dorsali elongatâ flavâ. Antennarum annulo albo. Pedibus nigris. Orbitis oculorum frontalibus flavo-albis. Alis silaceo-hyalinis. Stigmate dilute croceo.*

Fem. Black. Frontal orbits yellowish white. Antennæ setaceous, curved outwardly; from the 10th to 15th joints white, beneath with fuscous spots. Thorax finely punctate. Central area of the metathorax transverse. Scutellum white. Wings yellowish smoky hyaline; stigma pale orange; costa ferruginous; scales pitchy; areolet 5 angular, regular. Abdomen deep shining black; first segment with two elevated ridges, the space between smooth; second segment very finely punctate, obscurely aciculate at the base, the lateral foveæ more distinctly so; the seventh with a longitudinal, dorsal yellowish streak. Legs jet black; anterior tibiæ in front obscurely pitchy. Length 6½ lines.

In Mr. Desvignes' collection.

SECTION V. — *Scutellum pale or with pale markings. Abdomen black, red and white, or yellow.*

73. ICHNEUMON GRAVENHORSTII.

Ichneumon (Amblyteles) Gravenhorstii, *Wesm. Tent.* 127.
♀. Ichneumon extensorius, *Grav.* i. 266, 89.

74. ICHNEUMON EXTENSORIUS. B. M.

♀. Ichneumon extensorius, *Grav.* i. 266, 89. *Wesm. Tent* 55, 48. (*Excluso mare, exclusisque feminis genuinis minoribus feminarumque varietatibus*).

75. ICHNEUMON CONFUSORIUS. B. M.

♀. Ichneumon confusorius, *Grav.* i. 276, 90.
♂.? Ichneumon luctatorius, *Grav.* i. 411, 162.

76. ICHNEUMON AMMONIUS. B. M.

Ichneumon ammonius, *Grav.* i. 279, 92.

77. ICHNEUMON STRAMENTARIUS. B. M.

Ichneumon stramentarius, *Grav.* i. 281, 93.
♀. Ichneumon luctatorius, *var.* 13, *Wesm. Tent.* 57, 51.

78. ICHNEUMON TERMINATORIUS. B. M.

Ichneumon terminatorius, *Grav.* i. 282, 94.

♀. Ichneumon luctatorius, *var.* 14, *Wesm. Tent.* 57, 51. (*Segmentis* 2 *et* 3, *flavo-ferrugineis ? segmentis* 2 *et* 3, *Grav. dicit flavo-stramineis*).

79. ICHNEUMON RAPTORIUS. B. M.

Ichneumon raptorius, *Linn. Faun. Suec.* n. 1579. *Grav.* i. 286, 97. *Wesm. Tent.* 43, 37. (*Exclusis marum varietatibus*).

80. ICHNEUMON GRACILICORNIS. B. M.

Ichneumon gracilicornis, *Grav.* i. 290, 98. *Wesm. Tent.* 41, 34 (*Mare excluso*).

81. ICHNEUMON QUADRINOTATUS. B. M.

Ichneumon quadrinotatus, *Step. Mand.* vii. 163, 100.

82. ICHNEUMON PALLIDICORNIS. B. M.

Ichneumon pallidicornis, *Grav.* i. 294, 99.

83. ICHNEUMON OCCISORIUS. B. M.

Ichneumon occisorius, *Grav.* i. 389, 149. *Wesm. Tent.* 122, 16.
♂. Ichneumon marginatorius, *Panz. Faun.* fasc. 78, n. 14.
♀. Ichneumon sanguinatorius, *Grav.* i. 295, 100.

(*Note.*—Ichneumon sanguinatorius, *Gravenhorst*, has by mistake been called by him a male insect; but the antennæ being described as involute, it is evidently a female insect).

84. ICHNEUMON GROSSORIUS. B. M.

Ichneumon grossorius, *Fab. Piez.* 57, 15. *Wesm. Tent.* 38, 29.
Ichneumon primatorius, *Forst.* n. 81.
Ichneumon bicinctus, *Christ.* t. 35, f. 1.
♂. Ichneumon flavolineatus, *Grav.* i. 300, 104.

85. ICHNEUMON BELLIPES.

Ichneumon bellipes, *Wesm. Tent.* 38, 30.

♀. In Mr. Desvignes' collection.

86. ICHNEUMON SARCITORIUS. B. M.

Ichneumon sarcitorius, *Linn. Syst. Nat.* xii. 930, n. 3. *Grav.* i. 302, 105. *Wesm. Tent.* 60, 54.

Ichneumon bipartitus, *Vill.* iii. 142, 24.
♂. Ichneumon vaginatorius, *Grav.* i. 357, 138.

87. ICHNEUMON VADATORIUS. B. M.

Ichneumon vadatorius, *Illiger apud Rossi*, n. 747 (*in adnotatione*). *Grav.* i. 304, 106.
Ichneumon (Amblyteles) vadatorius, *Wesm. Tent.* 122, 14.
♂. Ichneumon ambulatorius, *Panz. Faun.* fasc. 78, t. 10.
Ichneumon pictus, *Schrank*, *Beitr.* 88, § 51.
♀. Ichneumon raptorius, *Panz. ad Kob.* t. 2, f. 13.
Ichneumon saturatorius, *Borowski*, t. 57a, f. 1.
Ichneumon sanguineus, *Christ.* t. 35, f. 7.

88. ICHNEUMON ORNATORIUS. B. M.

Ichneumon ornatorius, *Panz. Faun.* fasc. 73, t. 15. ♂. *Grav.* i. 311, 110.
♀. Ichneumon sartorius, *Grav.* i. 308, 107.
♂, ♀. Amblyteles negatorius, *Wesm. Tent.* 133, 29.

89. ICHNEUMON LABORATORIUS. B. M.

Ichneumon laboratorius, *Panz. apud Schæff. Icon.* t. 84, f. 8. *Grav.* i. 317, 114 (*secundum diagnosem*) *haud. Fab. Ent. Syst.* ii. 142, 36.
♂. I. Amblyteles Panzeri, *Wesm. Tent.* 136, 35.
♀. Ichneumon amatorius, *Müll. Prod.* n. 1758.
Ichneumon ambulatorius, *Fab. Ent. Syst.* ii. 139, n. 26. (*Step. Mand.* vii. pl. xl. f. 1. *Curt. Brit. Ent.* pl. 728).
I. Amblyteles amatorius, *Wesm. Tent.* 123, 17.

90. ICHNEUMON OCTOGUTTATUS. B. M.?

Ichneumon octoguttatus, *Grav.* i. 325, 120.

91. ICHNEUMON IOCERUS. B. M.

Ichneumon iocerus, *Grav.* i. 326, 121.
♂. Ichneumon gracilicornis, *Wesm. Tent.* 41, 34

92. ICHNEUMON HILARIS. B. M.

Ichneumon hilaris, *Grav.* i. 328, 122.
Exephanes hilaris, *Wesm. Tent.* 17, (*mare excluso*).

93. ICHNEUMON RIDIBUNDUS.

Ichneumon ridibundus, *Grav.* i. 329, 123. *Wesm. Tent.* 99, 105, ♂.

94. ICHNEUMON DECEPTOR. B. M.

Ichneumon deceptor, *Scop. Carn.* n. 746. *Grav.* i. 332, 126.
Ichneumon deceptorius, *Vill.* 142, n. 25.
♂. Ichneumon vestigator, *Wesm. Tent.* 90, 94.

95. ICHNEUMON FALLAX.

Ichneumon fallax, *Grav.* i. 351, 135.

In Mr. Desvignes' collection.

96. ICHNEUMON SUAVIS.

Ichneumon suavis, *Grav.* i. 348, 133.

In Mr. Desvignes' collection.

97. ICHNEUMON MULTIPICTUS.

Ichneumon multipictus, *Grav.* i. 347, 132.
♀. Ichneumon vestigator, *Wesm. Tent.* 90, 94.
♀. Ichneumon deceptor, *Grav. var.?*

In Mr. Desvignes' collection.

98. ICHNEUMON CALLICERUS.

Ichneumon callicerus, *Grav.* i. 343, 130. ♀, *Wesm. Tent.* 96, 101.

In Mr. Desvignes' collection.

99. ICHNEUMON MOTATORIUS.

Ichneumon motatorius, *Fab. Syst.* 329, n. 14. *Grav.* i. 353, 137.
Chasmodes motatorius, *Wesm. Tent.* 15, 1.

Segmentis 2—4 *rufo-castaneis. Macula medio apicali sexti* 7 *tota albis.* Mas, *scutello albo;* fœm., *nigro. Articulis* 12—13 *antennarum puncto obscuro albido.*

100. ICHNEUMON CUBICULARIS.

Ichneumon cubicularis, *Curtis.*

Head: inner orbits of the male and a spot on each side of the clypeus white; a very slender yellowish line on the frontal orbits of

the female. Antennæ of the male porrect; of the female revolute; 12—13 joints, each with an obscure whitish spot. Thorax with an abbreviated yellow line before the wings in the male, the scutellum of which is white; of the female entirely black. Wings of the male hyaline, fuscous at the base; those of the female smoky hyaline. Squamula and stigma pitchy; areola 5-angular. Legs black; first and second pair of tibiæ and tarsi on one side; also the apex of the femora pale straw-colour; the first pair of tibiæ and tarsi of the female pitchy ferruginous. Abdomen finely punctate, from the second to fourth segments chestnut-red, with an apical spot on the sixth and seventh segments whitish yellow; the seventh of the male nearly entirely so: central area of the metathorax of the male quadrate, slightly elongate. Length 3½ lines.

SECTION VI. — *Scutellum pale. Apex of the abdomen, and mostly the middle, spotted with yellow, or with yellow or white bands.*

Ichneumon vaginatorius. (See I. sartorius, Sect. V.)

101. ICHNEUMON DIMIDIATUS. B. M.

Ichneumon dimidiatus, *Step. Mand.* vii. 173, 127. *Id.* pl. xxxix. fig. inf. dext.

102. ICHNEUMON XANTHORIUS. B. M.

Ichneumon xanthorius, *Forst.* n. 83. *Grav. Pede.* n. 49.
Ichneumon xanthorius (partim), *Wesm. Tent.* 61, 55.

103. ICHNEUMON INFRACTORIUS. B. M.

Ichneumon infractorius, *Grav. Pede.* n. 50. *Panz. Faun.* fasc. 78, t. 9, ♀. *Trent. in Isis*, 1826, p. 82. *Wesm. Tent.* 121, 12.
♂. Ichneumon volutatorius, *Trent. in Isis*, 1826, p. 83.

104. ICHNEUMON FASCIATORIUS. B. M.

Ichneumon fasciatorius, *Fab. Syst. Ent.* 330, 17. *Grav.* i. 376, 144. *Wesm. Bull. de l'Acad. Brux.* 1839, tom. vi. 2de ptie. p. 448, ♂, ♀.
♂. Ichneumon sarcitorius, *Sulzer*, *Kennz.* t. 18, f. 115. *Christ.* t. 34, f. 6.

Ichneumon armatorius, *Forst.* n. 82.
♀. Ichneumon quadrimaculatus, *Schrank, Faun. Boica? Grav. Pede.* n. 52. *Grav. Ich. Eur.* i. 370, 172.
I. Amblyteles fasciatorius, *Wesm. Tent.* 113, 1.

105. ICHNEUMON MONITORIUS. B. M.

Ichneumon monitorius, *Panz. Faun.* fasc. 80, t 13. *Grav. Ich. Eur.* i. 373, 143, ♂, ♀.
♀. Ichneumon interruptorius, *Trent. in Isis*, 1826, p. 80, 25.
♂, ♀. Amblyteles monitorius, *Wesm. Tent.* 114, 2.

106. ICHNEUMON TRIFASCIATUS. B. M.

Ichneumon trifasciatus, *Grav. Ich. Eur.* i. 380, 145.
♂. Ichneumon triangulator, *Step. Mand.* vii. 177, 134.
♀. Ichneumon fasciatorius, *Grav.* i. 376, 144.
(♂ & ♀). Amblyteles trifasciatus, *Wesm. Tent.* 119, 9.

107. ICHNEUMON PALLIATORIUS. B. M.

Ichneumon palliatorius, *Grav. Ich. Eur.* i. 385, 147.
♀. I. Amblyteles palliatorius, *Wesm. Tent.* 118, 8.

108. ICHNEUMON ERYTHROPYGUS. B. M.

Ichneumon erythropygus, *Grav. Ich. Eur.* i. 381, 145b.
Ichneumon trifasciatus? *Grav.*
Ichneumon palliatorius? *var.* 2, *Wesm. Tent.* 118, 8.

109. ICHNEUMON CRISPATORIUS.

Ichneumon crispatorius, *Linn. Faun. Suec.* n. 2588.
? ♀. Ichneumon rufatorius, *Grav. Ich. Eur.* i. 388, 148.
I. Amblyteles xanthius, *Wesm. Tent.* 120.
♂, ♀. I. Amblyteles crispatorius, *Wesm. Ich. Amb. Eur.* 17, 17.

In Mr. Desvignes' collection.

Note. — Gravenhorst thinks his *I. rufatorius* may be *I. crispatorius* of Linnæus: Wesmael is of the same opinion. The two specimens in Mr. Desvignes' collection agree with the Linnean insect, with the exception of being less ferruginous on the same segments. However, it appears to be a variable insect, and there is scarcely a doubt, that from the descriptions given in Linnæus, Gravenhorst and Wesmael, from different specimens, and the *ci-devant* specimens

must be included with *I. crispatorius*, Linn.; in fact, one specimen is almost identical.

Ichneumon occisorius. (See I. sanguinatorius, Sect. V.)

110. Ichneumon oratorius. B. M.

Ichneumon oratorius, *Fab. Ent. Syst.* 138, 24. *Grav. Ich. Eur.* i. 394, 153. *Panz. Faun.* fasc. 80, t. 10, ♂.
♀. Ichneumon dealbatus, *Gmel. Syst. Nat.* 2678.
♂, ♀. Amblyteles oratorius, *Wesm. Tent.* 116, 5.

111. Ichneumon atramentarius.

Ichneumon atramentarius, *Grav. Ich. Eur.* i. 397, 153b.

In Mr. Hope's collection.

112. Ichneumon nycthemerus.

Ichneumon nycthemerus, *Grav. Pede.* n. 56. *Grav. Ich. Eur.* i. 399, 155.
Listrodromus nycthemerus, *Wesm. Tent.* 146, 1.

Mas. *Scutello nigro. Segmentis* 1—3 *macula parva laterali* 4—7 *margine, flavis. Tibiis flavis, posticis apice nigro.*
Caput: orbitis oculorum internis latis externis angustioribus et maculâ laterali clypei flavis. Antennæ setaceæ, supra ferrugineæ, subtus testaceæ; articulo 1*o toto nigro. Thorax: lineola ante alas angusta flava; metathorace fortiter rugoso aut impresso. Scutellum nigrum. Alæ: radio et stigmate nigris, squamula nigro-picea, radio ipso fusco stramineo. areolâ ut in* ♀. *Pedes: coxis et femoribus posticis nigris, femoribus anterioribus fuscis, anticis apice flavis; tibiis flavis, posticis apice et tarsis fuscis. Abdomen: maculis flavis ut in* ♀, *sed multo minoribus stylis analibus infra ventrem productis flavis.* (Long. 3½ lin.)

♀, ♂. In Mr. Desvignes' collection.

113. Ichneumon lautatorius.

Segmento 2*o rufo-flavo, sequentibus nigris flavo marginatis, femoribus tibiisque rufo-flavis.* Mas. — *Facie et palpis flavis. Articulo* 1*o antennarum subtus flavo, sequentibus rufis supra nigris aut obscuris.* Fœm. — *Facie nigra. Articulis antennarum* 2—13, 14, *pallidis sequentibus nigris.*

Ichneumon lautatorius, *Curtis.*

Male. Head, face and palpi yellow. Antennæ half the length of the body, porrect; first joint beneath yellow, the remainder pale orange, black above. Thorax with a line before and another beneath the wings reddish yellow; the central area of the metathorax quadrate. Scutellum yellow, with a slight marginal reddish tinge. Base of the wings and stigma brownish yellow; stigma lighter; second cubital cellule 5-angular. Legs: coxæ black; trochanters yellowish at the apex; femora pale reddish yellow, hinder pair with the apex black; tibiæ and tarsi paler, the former black at the apex, from the second to fifth joints fuscous. Abdomen a little broader than the thorax; first segment black; second rufo-fulvous; third and fourth with a marginal fascia, sinuated in the middle; fifth with a small central apical spot; sixth with a broad fascia; seventh pale fulvous, the latter with a triangular black spot at the base. Length 6—6½ lines.

Female. Head: face black. Mandibles with a ferruginous pile. Antennæ, as in diagnosis, involute. Thorax with a yellowish line below the wings. Legs as in the male. Abdomen: second segment rufo-fulvous; third with a marginal yellowish fascia; fourth and fifth black; sixth nearly entirely pale yellowish, it has a small central black patch at the base; seventh black. Aculeus subexserted.

In Mr. Curtis's collection.

SECTION VIb.—*Scutellum and abdomen black.. Apex reddish or fulvous.*

114. ICHNEUMON ANCIPITERUS.

Scutello et abdomine nigris ano rufo-fulvo. Orbitis facialibus flavis. Palpis flavis. Antennis setaceis. Alis fumato-hyalinis. Stigmate fulvo, radio ferrugineo versus basim fusco-flavo, radice et squamula piceis. Areolâ subquinque-angulari, femoribus nigris anterioribus flavi-fulvis. Tibiis et tarsis flavis posticis apice nigro. Tarsis fuscis. (Long. 6—6½ lin.)

Ichneumon ancipiterus, *Desv.*

In Mr. Desvignes' and Mr. Heysham's collections.

115. ICHNEUMON DUBITATUS.

Scutello nigro. Abdominis, segmentis 2—4 lateribus rufo-fulvis, ultimo fulvo.

Orbitis facialibus et puncto laterali clypei flavis. Antennæ articulo 1o subtus cerino-flavo. Alæ fumato hyalinæ. Stigmate et radio piceis, basin versus fulvis. Areolâ 5-angulari, nervo inferiore exteriore cellulæ interioris, angulato. Abdomen : segmentis 2—4 lateribus rufo-fulvis, ano fulvo. Pedes : femoribus supra fulvis subtus et lateribus nigris, anterioribus basi et apice fulvis ; tibiis et tarsis croceis ; tibiis posticis apice nigro ; tarsis ferrugineis. (Long. 6. lin.)

Ichneumon dubitatus, *Desv.*

Var. 1. *Puncto laterali clypei deficiente.*

Thorax : lineola flava, ante alas segmento 4o nigro, lateribus segmentorum 2 et 3 magis fulvis.

In Mr. Desvignes' collection.

SECTION VII.—*Scutellum pale. Abdomen with pale spots, or some of the segments entirely yellow, the last segment black.*

116. ICHNEUMON FLAVONIGER. B. M.

Ichneumon flavoniger, *Grav.* i. 403, 157. *Grav. Pede.* n. 57.
♂. Ichneumon xanthorius, *Wesm. Tent.* 61, 55.

117. ICHNEUMON LURIDUS. B. M.

Ichneumon luridus, *Grav. Ich. Eur.* i. 406, 159.
♂. Ichneumon corruscator, *var.* 2, *Wesm. Tent.* 71, 68.

118. ICHNEUMON BISIGNATUS.

Ichneumon bisignatus, *Grav.* i. 410, 161b.

In Mr. Hope's collection.

119. ICHNEUMON LUCTATORIUS. B. M.

♀. Ichneumon luctatorius, *Linn. Faun. Suec.* n. 1590.
Ichneumon culpatorius, *Linn. Faun. Suec.* n. 1583.
Ichneumon vorax, *Fourcroy*, 411, n. 53.

Ichneumon bidentorius, *Grav.* i. 426, 167. (See No. 121).

Ichneumon crocatorius, *Walkenaer*, 52, n. 17.
Ichneumon confusorius, *Grav.* i. 276, 90. *Wesm. Tent.* 57.
Ichneumon molitorius, ♀ (partim), *Grav.* i. 258, 87. *Wesm. Tent.* 57.
Ichneumon stramentarius, *Grav.* i. 281, 93. *Wesm. Tent.* 57.
Ichneumon terminatorius, *Grav.* i. 282, 94. *Wesm. Tent.* 57.
♂. Ichneumon illuminatorius, *Grav.* i. 423, 164. *Wesm. Tent.* 57.
Var. 4, ♂. Ichneumon amatorius, *Grav.* i. 414, 162. *Wesm. Tent.* 123, 17.

Note.—The female of this insect is very questionable, but the oral parts of *I. confusorius* agreeing exactly with those of the male of *I. luctatorius*, it is very probable that it may be the true female. Nees von Esenbeck communicated the fact to Gravenhorst, as noticed by the latter.

120. ICHNEUMON OCCUPATOR. B. M.

Ichneumon occupator, *Grav.* i. 425, 166.
♀. Ichneumon extensorius, *Grav.* i. 270, 89, *var.* 5.
♂, ♀. Exephanes occupator, *Wesm. Tent.* 17, 2.

121. ICHNEUMON NATATORIUS. B. M.

♀. Ichneumon natatorius, *Fab. Ent. Syst. Suppl.* 219, n. 17, 18.
♀. Ichneumon constellatus, *Fourcroy*, 412, n. 55.
Ichneumon quadripunctorius, *Müll. Prodr.* n. 1773.
Ichneumon moratorius, *Thunb. Ichn.* 75.
Ichneumon mediatorius, *Panz. Faun.* fasc. 80, t. 7.
Crypturus sugillatorius, *Lamarck*, 141, n. 1.
♂. Ichneumon bidentorius, *Grav.* i. 426, 167.
♂, ♀. I. Amblyteles natatorius, *Wesm. Tent.* 114, 3.

122. ICHNEUMON GLAUCATORIUS. B. M.

Ichneumon glaucatorius, *Fab. Ent. Syst.* ii. 136, 16. *Grav.* i. 433, 170. *Wesm. Tent.* 122, 15.
Ichneumon albiventris, *Gmel. Syst. Nat.* 2708, n. 349.
Ichneumon eximius, *Step. Mand.* vii. 186, n. 159.

123. ICHNEUMON SUGILLATORIUS. B. M.

Ichneumon sugillatorius, *Linn. Faun. Suec.* n. 1578. *Grav.* i. 437, 172. *Wesm. Tent.* 28, 14.
Ichneumon moratorius, *Fab. Piez.* 54, n. 2.

Ichneumon albolineatus, *Grav.* i. 450, 180. (See I. leucomelas, Sect. IV.)

124. ICHNEUMON FLAVOGUTTATUS. B. M.

Ichneumon flavoguttatus, *Grav.* i. 442, 174.
Hepiopelmus variegatorius, *Wesm. Tent.* 141, 2.
Ichneumon notatorius, *Panz. Faun.* fasc. 80, 9.
Ichneumon designatorius, *Trent. in Isis*, 1826, p. 86, n. 31.

125. ICHNEUMON FLAVOCINCTUS.

Orbitis oculorum internis et lineâ lata, sinuata clypei albis. Segmentorum 2—6 marginibus læte flavis aut flavo-viridis. Tibiis et tarsis albo-flavis, his posticis basi et apice nigris.

Ichneumon flavocinctus, *Desv.*

Head: inner orbits of the eyes white or yellowish white; a broad sinuated line on the clypeus; palpi and labium of the same colour. Antennæ short, scarcely half the length of the body, beneath fulvous; first joint yellow. Thorax: a sutural line before the wings and a shorter one beneath, also a line below the scutellum yellow. Scutellum entirely yellow. Wings hyaline; scales white; stigma black or pitchy; areolet 5-angular, subtriangular. Legs: apex of the anterior coxæ pale; femora black; anterior in front ferruginous; apex yellow. Tibiæ and tarsi pale; hinder pair of the former black at the base and apex. Abdomen as broad as the thorax; a deep fovea (*gastrocœli*, Wesm.) on each side of the second segment, the apex of which has an abbreviated central yellow line; from the third to the sixth segments the margins are greenish yellow. Length 6—6½ lines.

Var. 1. Scutellum without the yellow line beneath. Clypeus with two yellow spots only, nearly connate; hinder tarsi dusky black. (Nearly allied to *I. viridatorius*, Grav.)

126. ICHNEUMON MINUTORIUS. B. M.

Segmentis 2—4 tibiisque flavis harum posticis apice nigro. Facie flava.

Ichneumon minutorius, *Desv.*

Head: face and mouth, also the inner orbits of the eyes above the antennæ, yellow. Antennæ setaceous, porrect about half the length of the body; first joint beneath yellow. Thorax: a short line before the wings and another beneath yellow. Scutellum yellow. Wings: stigma pale orange; scales paler; the base of the wings and costa ferruginous; areolet 5-angular, nearly triangular. Legs: femora black; the anterior more or less yellow at the base

and apex; hinder pair fulvous at the base and extreme apex. Tibiæ and tarsi pale fulvous; the hinder pair of the former black at the apex, the latter fuscous; base of the first and second joints pale. Abdomen narrower than the thorax; apex of the first segment, and from the second to fourth pale yellow; fifth to seventh black, occasionally with a faint dorsal pale spot on each. Length 4—4½ lines.

Var. 1. Base and apex of the fourth segment fusco-ferruginous.

Var. 2. Apex of the fifth segment yellow. (Allied to *I. luctatorius*, Grav.)

This description is given from the examination of twenty specimens, taken at the same time and place.

127. ICHNEUMON BINOTATUS. B. M.

Facie flava. Segmentis 1—3 *flavo stramineis; 2o dorso binotato.*

Ichneumon binotatus, *Desv.*

Head: face and outer orbits yellow. Antennæ porrect, the length of the body; first joint beneath with a yellow dot. Thorax with a faint yellow sutural line. Scutellum yellow at the apex. Wings: stigma and costa fuscous; scales testaceous. Legs: anterior femora and tibiæ on one side deep fuscous, the apex of former and the under side of the latter pale straw-colour; tarsi obscure; hinder legs black; tibiæ with a whitish streak towards the base. Abdomen: first segment glabrous, apex yellow; second with two blackish dots on the disk; the apex of the third with a bisinuated black fascia; fourth to the seventh black, the extreme edges pale ferruginous. Length 4 lines.

Var. 1. Second segment, the greater part fuscous at the base; the third cloudy at the apex.

SECTION VIII.—*Scutellum pale. Abdomen red, or red and black.*

128. ICHNEUMON FUSORIUS. B. M.

Ichneumon fusorius, *Linn. Faun. Suec.* n. 1598. ♂, ♀. *Grav. Pede.* n. 71. *Wesm. Tent* 24, 9.

♂. Ichneumon fuscus, *Linn. Syst. Nat.* xii. 933, n. 21.

♂. Ichneumon similatorius, *Fab. Ent. Syst. Suppl.* 221, n. 55.

♀. Ichneumon lentorius, *Panz. Faun.* fasc. 71, t. 11.

♀. Ichneumon expectatorius, *Fab. Piez.* 19, n. 26.
Ichneumon fugatorius, *Panz. ad Schæff. Icon.* t. 114, f. 1.

129. ICHNEUMON PISORIUS. B. M.

Ichneumon pisorius, *Vill.* 138, n 12, (*var. exc.*) *Grav.* i. 462, 187. *Wesm. Tent.* 24, 9.

130. ICHNEUMON EXPECTATORIUS. B. M.

Ichneumon expectatorius, *Panz. ad. Schæff. Icon.* t. 20, f. 8.
Ichneumon erythrogaster, *Step. Mand.* vii. n. 164.

131. ICHNEUMON DIVISORIUS. B. M.

Ichneumon divisorius, *Grav. Pede.* n. 75. *Ich. Eur.* i. 470, 190.
Amblyteles divisorius, *Wesm. Tent.* 133, 30.

Ichneumon alticola. (See Sect. III.)

132. ICHNEUMON RUFINUS.

♀. Ichneumon rufinus, *Grav.* i. 481, 198. *Pede.* n. 78. ♀. *Wesm. Tent.* 36, 27.

In Mr. Desvignes' collection.

133. ICHNEUMON SEMIRUFUS. B. M.

Ichneumon semirufus, *Grav. Pede.* n. 80. *Wesm. Tent.* 100, 106.

134. ICHNEUMON LANIUS. B. M.

Ichneumon lanius, *Grav.* i. 499, 204b. *Wesm. Tent.* 105, 114, ♂, ♀.?
♀.? Phygadeuon terminatus, *Grav.* ii. 663, 164.

135. ICHNEUMON SEDULUS. B. M.

Ichneumon sedulus, *Grav. Pede.* n. 81.
♀. Ichneumon defraudator, *Knoch.* (*Grav.* i. 494). *Wesm. Tent.* 78, 77.
♂. Ichneumon similatorius (partim), *Wesm. Tent.* 94, 98.

136. ICHNEUMON ALBICINCTUS. B. M.

Ichneumon albicinctus, *Grav.* i. 509, 213. *Wesm. Tent.* 101, 107.

137. ICHNEUMON CULPATORIUS. B. M.

♀. Ichneumon culpatorius, *Fab. Syst. Ent.* 328, n. 6. ♀. *Vill.* 136, n. 6. ♂, ♀. *Grav. Pede.* n. 84.

138. ICHNEUMON EXULANS.

Ichneumon exulans, *Grav.* i. 522, 216.
♂. Exephanes hilaris, *Wesm. Tent.* 17, 1.

139. ICHNEUMON MESSORIUS.

Ichneumon messorius, *Grav. Pede.* n. 86. *Id. Ich. Eur.* i. 529, 219.
Amblyteles messorius, *Wesm. Tent.* 134, 31.

140. ICHNEUMON NIVEATUS, n. s. B. M.

Mas. *Ore, facie, parte genarum infera et orbitis frontalibus, niveis aut albis. Collo albo annulato. Scutello vel toto, aut apice solo, punctis duobus apicalibus albis. Segmentis 2—3 vel 2—4 rufis, basi nigris, vel dorso fusco. Coxis et trochanteribus anterioribus albis, femoribus et tibiis fulvi-croceis; coxis posticis nigris.*

Male. Head: face, cheeks, and frontal orbits white. Antennæ porrect, fuscous, gradually lighter; first joint beneath white. Thorax gibbous; a white ring round the prothorax, nearly extending to the base of the first pair of coxæ. Scutellum white on the apex only, occasionally but two confluent spots white. Wings hyaline; stigmata brown; squamula white; areolet quinque-angular, irregular. Legs: the anterior coxæ and trochanters milky white; the hinder pair black; the anterior femora and tibiæ yellowish red; hinder pair darker; the apex of tibiæ and posterior tarsi fuscescent. Abdomen 2—4 or 2—3, red, more or less clouded at the base, sometimes only the apex of the segments red. From the examination of thirteen specimens. Length 2½—3 lines.

Allied to *I. xanthops and I. albinotatus* of *Grav.*

141. ICHNEUMON CINCTORIUS.

Mas. *Segmento 3o abdominis rufo. Facie alba maculâ magna nigra.*

Ichneumon cinctorius, *Step. Ill. Mand.* vii. 189.

Head: face white, with a large, somewhat triangular, black patch below the antennæ; mouth and palpi pale. Antennæ setaceous, porrect, about half the length of the body. Metathorax covered with a short hoary pile; the central area lunate, not well-defined. Wings fuscous at the base; stigma pale fulvous or straw-colour. Legs: coxæ black; first pair ferruginous at the tip, as also the trochanters; the second joint of hinder pair (*apophysis*) rufous; femora black, rufous at the base; first pair dirty yellow on the inner side; tibiæ and tarsi pale orange; hinder pair of the latter fuscous, pale at the base; posterior tibiæ with the apex black. Abdomen somewhat narrower than the thorax; first segment rather scabrous, with two elevated ridges, narrower than the second, the apical outer margins of which are dull ferruginous; third segment light chestnut, with a large oblong black patch at the apex; the second and third segments beneath testaceous; fourth and fifth more obscure Length 7 lines.

Mr. Stephens has only given the diagnosis of this insect in his Illustrations.

In Mr. Desvignes' collection.

SECTION IX.—*Scutellum black. Abdomen red or red and black.*

142. ICHNEUMON FUMIGATOR. B. M.

Ichneumon fumigator, *Grav. Pede.* n. 89.

143. ICHNEUMON HÆMORRHOIDALIS. B. M.

Ichneumon hæmorrhoidalis, *Grav.* i. 539, 224.

♀. Ichneumon castaniventris, *Grav.* i. 556, 233. *Wesm. Tent.* 32, 20, ♂, ♀.

144. ICHNEUMON CULPATOR. B. M.

Ichneumon culpator, *Schrank, Faun. Boica,* n. 2077. *Grav.* i. 548, 227.

♂. *Segmentis* 2 *et* 3 *castaneo-rufis, annulo antennarum albo.*

Var. 1. *Abdomine nigro, incisuris obscure ferrugineis. Antennis ut in genuinis.*

♂, ♀. Ichneumon culpator, *Wesm. Tent.* 82, 82 (*varietate exclusa*).

145. ICHNEUMON FUGITIVUS. B. M.

Ichneumon fugitivus, *Grav.* i. 552, 229 (very variable).
Ichneumon pyrrhopus, *Step. Mand.* vii. 198, 194.

146. ICHNEUMON MELANOCASTANUS. B. M.

Ichneumon melanocastanus, *Grav. Pede.* n. 94. *Grav.* i. 553, 231.
Ichneumon (Amblyteles) melanocastanus, *Wesm. Tent.* 135, 33 (var. 1 & 2 excepted?).

147. ICHNEUMON CASTANEUS. B. M.

Ichneumon castaneus, *Grav.* i. 558, 234. *Wesm. Tent.* 77, 76 (partim).

148. ICHNEUMON CASTANOPYGA. B. M.

Ichneumon castanopyga, *Step. Mand.* vii. 197, n. 192.
Amblyteles rubriventris, *Wesm. Ich. Amb. Eur.* (1854) p. 42, 33.

149. ICHNEUMON ALBILARVATUS. B. M.

Ichneumon albilarvatus, *Grav. Pede.* n. 96. *Grav.* i. 563, 236. *Wesm. Tent.* 106, 115, ♂, ♀?

150. ICHNEUMON SEMILVULPINUS. B. M.

Ichneumon semilvulpinus, *Grav.* i. 565, 238.

151. ICHNEUMON CELERATOR. B. M.

Ichneumon celerator, *Grav. Uebers.* n. 3740. *Pede.* n. 97.
Ichneumon repsaliensis, *Fourcroy*, 409, n. 49.
♂. Colpognathus celerator, *Wesm. Tent.* 174, 1.

152. ICHNEUMON LATRATOR. B. M.

Ichneumon latrator, *Fab. Spec.* 431, n. 69. *Grav. Pede.* n. 98. *Ich. Eur.* i. 572, 242. *Wesm. Tent.* 63, 58 (partim).
Ichneumon oblongus, *Schrank, Faun. Boica*, n. 2113.

153. ICHNEUMON CONFECTOR.

Ichneumon confector, *Grav.* i. 579, 243.

In Mr. Desvignes' collection.

154. ICHNEUMON MELANOGONUS. B. M.

Ichneumon melanogonus, *Gmel. Syst. Nat.* 2709, n. 358. *Grav. Pede.* n. 99. *Grav.* i. 581, 245.
Ichneumon Phæogenes, *Wesm.* 182, 3 (partim).

155. ICHNEUMON OPPRIMATOR.

Ichneumon opprimator, *Grav. Pede.* n. 100. *Grav.* i. 595, 252.
Centeterus opprimator, *Wesm. Tent.* 178, 3.

In Mr. Desvignes' collection.

156. ICHNEUMON ISCHIOMELINUS.

Ichneumon Ischiomelinus, *Grav.* i. 608, 259.
♂, ♀. Phæogenes Ischiomelinus, *Wesm. Tent.* 192, 21.
Æthecerus dispar, *Wesm. Tent.* 203, 1 (partim).

In Mr. Desvignes' collection.

157. ICHNEUMON MUTABILIS.

Ichneumon mutabilis, *Grav.* i. 599, 255.

SECTION X.—*Scutellum black. Abdomen tricoloured, as in Sect. 5.*

158. ICHNEUMON TERGENUS. B. M.

Ichneumon tergenus, *Wesm. Tent.* 89, 93 (partim ?). *Grav.* i. 615, 263.

159. ICHNEUMON INCUBITOR. B. M.

Ichneumon incubitor, *Linn. Syst. Nat.* xii. 933. *Fab. Syst. Ent.* 334, n. 40. *Fourcroy*, n. 48.

160. ICHNEUMON ANALIS. B. M.

Ichneumon analis, *Grav.* i. 621, 266.

161. ICHNEUMON CRASSIPES. B. M.

Ichneumon crassipes, *Gmel. Syst. Nat.* 2709, n. 361.
Ichneumon geniculator, *Grav. Uebers.* n. 3739.
Ichneumon crassipes, *Grav.* i. 622, 267.

SECTION XI.—*Thorax red, or with red and white markings. Abdomen tricolored or bicolored, apex white.*

162. ICHNEUMON ERYTHRÆUS. B. M.

Ichneumon erythræus, *Grav. Pede.* n. 104. *Grav.* i. 632, 273.

163. ICHNEUMON RUFICEPS. B. M.

Ichneumon ruficeps, *Grav.* i. 633, 274.

164. ICHNEUMON SANGUINATOR. B. M.

Ichneumon sanguinator, *Rossi, Mant.* ii. *App.* n. 85.
Ichneumon ruficollis, *Step. Mand.* vii. 206, 222.

165. ICHNEUMON RUFESCENS. B. M.

Ichneumon rufescens, *Step. Mand.* vii. 207, 223.

166. ICHNEUMON NOBILITATOR.

♂. Ichneumon nobilitator, *Grav. Uebers.* n. 3727. *Grav.* i. 627, 270.

In Mr. Desvignes' collection.

167. ICHNEUMON RUBEDINIS, n. s.

Rufus. Thorace obscuro trivittato. Segmentis 1—5 *rufis;* 6—7 *obscuro ferrugineis singulis maculâ flavâ. Scutello rufo-castaneo. Pedibus rufis; coxis fere nigris. Antennis tricoloribus.*

Head: face, inner vertical orbits, mouth and cheeks red, obscure over the clypeus; the central part of the face rather protuberant; palpi and apex of mandibles fuscous. Antennæ setaceous, at the apex involute; from the first to the seventh joints red; eighth to the thirteenth white, beneath tending to red, the remainder black. Thorax deep chestnut, with three broad obscure streaks. Metathorax black, finely punctate; central area slightly elongate. Scutellum chestnut-red. Wings at the base and stigma testaceous; scales chestnut; areolet 5-angular. Legs red; coxæ black or nearly so. Abdomen from the first to the fifth segments red; sixth and seventh obscurely ferruginous; the sixth with a small, and the seventh with a larger central yellow spot. Length $4\frac{1}{2}$ lines.

In Mr. Desvignes' collection.

Subgenus 2. PRISTICEROS.

1. PRISTICEROS SERRARIUS.

Pristiceros serrarius, *Grav.* i. 637, 275.

In Mr. Desvignes' collection.

Subgenus 3. ISCHNUS.

1. ISCHNUS PORRECTORIUS. B. M.

Ischnus porrectorius, *Fab. Mant.* 260, n. 8.
Bassus porrectorius, *Fab. Piez.* 93, n. 1.
Ischnus porrectorius, *Grav. Ich. Eur.* i. 642, 277.

This insect may be a male *Cryptus*.

2. ISCHNUS MŒSTUS.

Ischnus mœstus, *Grav.* i. 653, 284.

In Mr. Desvignes' collection.

3. ISCHNUS COLLARIS.

Ischnus collaris, *Grav.* i. 653, 285.

In Mr. Curtis's collection.

Subgenus 4. STILPNUS.

1. STILPNUS DEPLANATUS. B. M.

Stilpnus deplanatus, *Grav.* i. 667, 287.

2. STILPNUS GAGATES. B. M.

Stilpnus gagates, *Grav. Uebers.* n. 3760. *Grav.* i. 667, 288.

3. STILPNUS PAVONIUS. B. M.

Ichneumon pavoniæ, *Scop. Carn.* n. 762. *Grav.* i. 672, 289.

4. STILPNUS DRYADUM. B. M.

Stilpnus dryadum, *Hal. Curt. Brit. Ent.* pl. 388.

5. STILPNUS BLANDUS. B. M.

Stilpnus blandus, *Grav.* i. 672, 290.

Subgenus 5. BRACHYPTERUS.

1. BRACHYPTERUS MEANS. B. M.

Brachypterus means, *Grav.* i. 675, 291. *Step. Mand.* vii. pt. xl. f. 2

Microleptis splendidulus, *Grav. Sup.* 679. *Step. Mand.* vii. pt. xl. f. 3.

Genus 2. TRYPHON.

Subgenus 1. MESOLEPTUS.

SECTION I. — *Scutellum and abdomen black.*

1. MESOLEPTUS ANNULATUS.

Mesoleptus annulatus, *Grav.* ii. 11, 2.

In Mr. Desvignes' collection.

2. MESOLEPTUS LIMITARIS. B. M.

Mesoleptus limitaris, *Grav.* ii. 14, 7.

3. MESOLEPTUS INFERNALIS. B. M.

Mesoleptus infernalis, *Grav.* ii. 16, 8.

4. MESOLEPTUS LEUCOSTOMUS.

Mesoleptus leucostomus, *Grav.* ii. 17, 10.

In Mr. Desvignes' collection.

5. MESOLEPTUS SUBMARGINATUS. B. M.

Mesoleptus submarginatus, *Step. Mand.* vii. 214, n. 8.

SECTION II.—*Scutellum with pale markings. Margins of the abdominal segments pale.*

6. MESOLEPTUS GRACILIPES.

Mesoleptus gracilipes, *Curtis*, vol. iii. *descr. fol.* pl. 644.

In Mr. Curtis's collection.

7. MESOLEPTUS PECTORALIS. B. M.

Mesoleptus pectoralis, *Grav.* ii. 21, 12.

8. MESOLEPTUS CINGULATUS. B. M.

Mesoleptus cingulatus, *Grav.* ii. 22, 13.

9. MESOLEPTUS EXORNATUS. B. M.

Mesoleptus exornatus, *Grav.* ii. 23, 14.

10. MESOLEPTUS ALBOLINEATUS.

Mesoleptus albolineatus, *Grav. Supp.* i. 681, 15 b.
Ischnus mœstus, *var. Grav.* i. 653, 285.

In Mr. Desvignes' collection.

11. MESOLEPTUS THORACICUS. B. M.

Mesoleptus thoracicus (Tryphon thoracicus), *Step. Mand.* vii. 241, 30.

SECTION III.—*Scutellum pale or red. Abdomen red or red and black.*

12. MESOLEPTUS MELANOCEPHALUS. B. M.

Mesoleptus melanocephalus, *Grav.* ii. 28, 16.

13. MESOLEPTUS TESTACEUS. B. M.

Mesoleptus testaceus, *Fab. Ent. Syst. Supp.* 228, n. 189. *Grav.* ii. 28, 17.
Ichneumon venosus, *Gmel. Syst. Nat.* 2709, n. 354.

14. MESOLEPTUS PALLIDUS. B. M.

Mesoleptus pallidus, *Grav.* ii. 30, 18.

15. MESOLEPTUS STICTICUS. B. M.

Mesoleptus sticticus, *Grav.* ii. 31, 19.
Ichneumon sticticus, *Fab. Ent. Syst. Supp.* 229, n. 205.
Cryptus sticticus, *Fab. Piez.* 89, n. 83.

16. MESOLEPTUS FLAVOPICTUS. B. M.

Mesoleptus flavopictus, *Grav.* ii. 33, 20.
Mesoleptus trimaculatus, *Step. Mand.* vii. 217, 17, *var.*

17. MESOLEPTUS SORDIDUS.

Mesoleptus sordidus, *Grav.* ii. 36, 22.

In Mr. Curtis's collection.

18. MESOLEPTUS CINCTULUS. B. M.

Mesoleptus cinctulus, *Grav. Pede.* n. 107. *Grav.* ii. 37, 23.

19. MESOLEPTUS SPECIOSUS.

Mesoleptus speciosus, *Curt. Brit. Ent. desc. after* pl. 644.

In Mr. Curtis's collection.

20. MESOLEPTUS RUFICORNIS. B. M.

Mesoleptus ruficornis, *Grav.* ii. 43, 26.

21. MESOLEPTUS NIGRICEPS.

Mesoleptus nigriceps, *Grav.* ii. 202, 130.
Tryphon nigriceps, *Grav.* ii. 202, 130.

22. MESOLEPTUS UNDECIM-NOTATUS, n. s.

Flavus. Occipite et thorace dono nigris. Abdomine nigro maculato. Areola nullâ.

Head yellow, behind the eyes nearly to the collar black. Antennæ fuscous above, yellow beneath. Thorax: between the wings black, with two abbreviated yellow lines broadest in front. Metathorax black above; the sides of the scutellum and frenum yellow, also the pleuræ. Breast fulvo-rufous. Scutellum yellow. The base of the wings and stigma yellow; the former with a black spot under them. Legs pale; the hinder coxæ and femora fulvous; apex of the tibiæ and the tarsi fuscous. Abdomen: first segment slender, smooth, black; the lateral margins yellow; second black; the margins and apex broadly yellow; third to the seventh yellow, with two black spots on each; eighth segment (?) with male appendices pale, at the base black. Length 4 lines.

In Mr. Desvignes' collection.

SECTION IV.—*Scutellum black. Abdomen red or red and black.*

23. MESOLEPTUS SPHEGINUS. B. M.?

Mesoleptus spheginus, *Grav.* ii. 49, 27.

24. MESOLEPTUS SUBCOMPRESSUS. B. M.

Mesoleptus subcompressus, *Grav.* ii. 52, 30.

25. MESOLEPTUS BIPUNCTATUS. B. M.

Mesoleptus bipunctatus, *Grav.* ii. 54, 32.

26. MESOLEPTUS ARRIDENS. B. M.

Mesoleptus arridens, *Grav. Supp.* i. 683, 33 b

27. MESOLEPTUS FUGAX. B. M.

Mesoleptus fugax, *Grav.* ii. 56, 34.

28. MESOLEPTUS PROSOLEUCUS.

Mesoleptus prosoleucus, *Grav. Pede.* n. 110. *Grav.* ii. 58, 36.

In Mr. Curtis's collection.

29. MESOLEPTUS TYPHÆ. B. M.

Mesoleptus typhæ, *Fourcroy*, 347, n. 58.
Ichneumon indefessus, *Grav. Pede.* n. 11. (*Var.* 2, *Grav.* ii. 62, 39).

30. MESOLEPTUS LEPTOCERUS.

Mesoleptus leptocerus, *Grav.* ii. 68, 40.
Ichneumon leptocerus, *Grav. Pede.* n. 112.
♀. Mesoleptus geniculosus, *Grav.* ii. 102, 61, *var.*

In Mr. Desvignes' collection.

31. MESOLEPTUS NEMORALIS. B. M.

Mesoleptus nemoralis, *Grav.* ii. 70, 42.
Ichneumon nemoralis, *Fourc.* 416, n. 66. *Grav. Pede.* n. 113. (*Var.* 3). Mesoleptus suborbitalis, *Steph. Mand.* vii. 223, 32.

32. MESOLEPTUS ANNULATOR. B. M.

Mesoleptus annulator, *Step. Mand.* vii. 223, 33.

33. MESOLEPTUS MIRABILIS. B. M.

Mesoleptus mirabilis, *Step. Mand.* vii. 223, 34.

34. MESOLEPTUS DEFECTIVUS. B. M.

Mesoleptus defectivus, *Grav.* ii. 77, 44.
Ichneumon defectivus, *Grav. Pede.* n. 144.

35. MESOLEPTUS MUNDUS. B. M.

Mesoleptus mundus, *Grav.* ii. 78, 45.
Ichneumon mundus, *Grav. Pede.* n. 115.

36. MESOLEPTUS RUFONIGER. B. M.

Mesoleptus rufoniger, *Grav.* ii. 80, 46.
Ichneumon rufoniger, *Grav. Pede.* n. 116.

37. MESOLEPTUS SULPHURATUS. B. M.

Mesoleptus sulphuratus, *Grav.* ii. 81, 47.
Ichneumon sulphuratus, *Grav. Uebers.* n. 3741.

38. MESOLEPTUS FORTIPES. B. M.

Mesoleptus fortipes, *Grav.* ii. 85, 50.

39. MESOLEPTUS FUSCICORNIS. B. M.

Mesoleptus fuscicornis, *Grav.* ii. 87, 51.
Var. 2. Ichneumon fuscicornis, *Gmel. Syst. Nat.* 2701, n. 295.

40. MESOLEPTUS SEMINIGER. B. M.

Mesoleptus seminiger, *Grav.* ii. 93, 56.

41. MESOLEPTUS SPILONOTUS. B. M.

Mesoleptus spilonotus, *Step. Mand.* vii. 227, 44.

42. MESOLEPTUS FILICORNIS. B. M.

Mesoleptus filicornis, *Grav.* ii. 95, 57.

Ichneumon filicornis, *Grav. Pede.* n. 117.
Ichneumon variator, *Müll. Prod.* n. 1828. (*Var.* 1.) *Grav. Pede.* n. 118.

43. MESOLEPTUS WALTONI.

Mesoleptus Waltoni, *Curt. Brit. Ent.* 66, 44.

In Mr. Curtis's collection.

44. MESOLEPTUS STERNOLEUCUS.

Mesoleptus sternoleucus, *Grav.* ii. 99, 58.

In Mr. Curtis's collection.

45. MESOLEPTUS GRACILIS. B. M.

Mesoleptus gracilis, *Step. Mand.* vii. 228, 49.

46. MESOLEPTUS GENICULOSUS. B. M.

Mesoleptus geniculosus, *Grav.* ii. 102, 61.
♀ ? Mesoleptus leptocerus, *Grav.*

47. MESOLEPTUS ANTILOPE. B. M.

Mesoleptus antilope, *Grav.* ii. 104, 63.

48. MESOLEPTUS LÆVIGATUS. B. M.

Mesoleptus lævigatus, *Grav.* ii. 111, 69.
Ichneumon lævigatus, *Grav. Pede.* n. 121.

Subgenus 2. TRYPHON.

SECTION I.—*Scutellum and abdomen black. Margins of the segments more or less pale.*

1. TRYPHON PRÆROGATOR. B. M.

Tryphon prærogator, *Grav.* ii. 127, 75.
♂. Ichneumon prærogator, *Linn. Faun. Suec.* n. 1619. *Müll. Prodr.* n. 1817. *Vill.* 171, n. 109.
♂. Bassus prærogator, *Fab. Piez.* 99, n. 23.
♀. Ichneumon chrysogaster, *Gmel. Syst. Nat.* 2709, n. 359.

2. TRYPHON COMPUNCTOR. B. M.

Tryphon compunctor, *Grav.* ii. 130, 76.
Ichneumon compunctor, *Linn. Faun. Suec.* n. 1609.

3. TRYPHON RAPINATOR.

Tryphon rapinator, *Grav.* ii. 133, 79.
In Mr. Desvignes' collection.

4. TRYPHON NITIDUS. B. M.

Tryphon nitidus, *Grav.* ii. 134, 80.

5. TRYPHON NIGER. B. M.

Tryphon niger, *Grav.* ii. 126, 74.

6. TRYPHON FLAVILABRIS. B. M.

Tryphon flavilabris, *Step. Mand.* vii. 232, 3.

7. TRYPHON VEPRETORUM. B. M.

Tryphon Vepretorum, *Grav.* ii. 142, 89.

8. TRYPHON MACULICOLLIS. B. M.

Tryphon maculicollis, *Step. Mand.* vii. 234, 9.

9. TRYPHON PINGUIS. B. M.

Tryphon pinguis, *Grav.* ii. 150, 97.
Ichneumon pinguis, *Grav. Pede.* n. 124.

10. TRYPHON CALCATOR. B. M.

Tryphon calcator, *Grav.* ii. 138, 85.
Ichneumon calcator, *Müll. Prod.* n. 1835.
Ichneumon erythropus, *Gmel. Syst. Nat.* 2705, n. 329.

11. TRYPHON SUBNITIDUS. B. M.

Tryphon subnitidus, *Grav.* ii. 144, 91.

12. TRYPHON NANUS. B. M.

Tryphon nanus, *Grav.* ii. 155, 100.

13. TRYPHON USTULATUS, n. s. B. M

Ore antennis pedibusque rufis. Abdomine glabro.

Head: mouth red. Antennæ nearly as long as the body, entirely red. Sides of scutellum hairy. Wings smoky hyaline: stigma testaceous, towards the outer margin dark; base and scales testaceous; areolet petiolated, irregular. Legs red; hinder tarsi black. Abdomen glossy; the apex of the first and second segments obscurely ferruginous. Length 5 lines.

14. TRYPHON HÆMOSTERNUS.

Tryphon hæmosternus, *Hal. Curt. Cat.* col. 96.

In Mr. Haliday's collection.

SECTION II. — *Scutellum pale or with pale markings. Abdomen black; the margins of the segments pale or palish.*

15. TRYPHON ELEGANS. B. M.

Tryphon elegans, *Step. Mand.* vii. 239, n. 24.

16. TRYPHON QUINQUECINCTUS.

Tryphon quinquecinctus, *Grav.* ii. 165, 106. (Cteniscus, *Hal.?*)
Ichneumon quinquecinctus, *Grav. Pede.* n. 125.

In Mr. Desvignes' collection.

17. TRYPHON CALIGATUS.

Tryphon caligatus, *Grav.* ii. 170, 111.

In Mr. Desvignes' collection.

18. TRYPHON VIRGULTORUM. B. M.

Tryphon virgultorum, *Grav.* ii. 172, 112.

19. TRYPHON AULICUS. B. M.

Tryphon aulicus, *Grav.* ii. 173, 113.

20. TRYPHON OPTICUS. B. M.

Tryphon opticus, *Grav.* ii. 176, 114.

21. TRYPHON ARMILLATORIUS. B. M.

Tryphon armillatorius, *Grav.* ii. 182, 120.
Ichneumon armillatorius, *Grav. Uebers.* n. 3758.

22. TRYPHON FORMOSUS. B. M.

Tryphon formosus, *Grav.* ii. 185, 121.

23. TRYPHON SANGUINICOLLIS.

Tryphon sanguinicollis, *Grav.* ii. 187, 122.
In Mr. Desvignes' collection.

SECTION III. — *Scutellum pale. Abdomen red, or red and black, occasionally yellow.*

24. TRYPHON RUFUS. B. M.

♀. Tryphon rufus, *Grav.* ii. 200, 129.
♂. Tryphon rufulus, *Step. Mand.* vii. 244, 36; pl. xxxvi. f. 3.
♀. Tryphon conspicuus, *Step. Mand.* vii. 244, 37.

Note.—(The male is not described by Gravenhorst). Reared from *Cimbex variabilis* by Dahlbom.

25. TRYPHON NIGROLINEATUS. B. M.

Tryphon nigrolineatus, *Grav.* ii. 203, 131.

26. TRYPHON TRICOLOR.

Tryphon tricolor, *Grav.* ii. 207, 134.
In Mr. Desvignes' collcction.

27. TRYPHON COLON.

Tryphon colon, *Grav.* ii. 211, 137.
In Mr. Desvignes' collection.

28. TRYPHON EXTIRPATORIUS.

Tryphon extirpatorius, *Grav.* ii. 213, 139.
In Mr. Desvignes' collection.

29. TRYPHON LATICEPS. B. M.

Tryphon laticeps, *Grav.* ii. 214, 140.

30. TRYPHON LUTEIFRONS. B. M.

Tryphon luteifrons, *Grav.* ii. 215, 141.

SECTION IV.—*Scutellum black. Abdomen red and black, or black and yellow.*

31. TRYPHON VARITARSUS. B. M.

Tryphon varitarsus, *Grav.* ii. 222, 146. *Curt. Brit. Ent.* pl. 399.

32. TRYPHON NIGRICOLLIS. B. M.

Tryphon nigricollis, *Grav.* ii. 234, 153.

33. TRYPHON ELEGANTULUS. B. M.

Tryphon elegantulus, *Grav.* ii. 235, 154.
Ichneumon elegantulus, *Schrank, Austr.* 361, 727.
Ichneumon mandator, *Fab. Mant.* 266, n. 83.
Cryptus mandator, *Fab. Piez.* 86, n. 65.
Anomalon mandator, *Trent. in Isis*, 1826, iii. 300.

34. TRYPHON ELONGATOR. B. M.

Tryphon elongator, *Grav.* ii. 238, 155.
Ichneumon elongator, *Fab. Piez.* 67, n. 72. *Grav. Pede.* n. 128.

35. TRYPHON BRACHYACANTHUS. B. M.

Tryphon brachyacanthus, *Grav.* ii. 242, 157.
Ichneumon testaceus, *Gmel. Syst. Nat.* 2702, n. 303.
Ichneumon brachyacanthus, *Gmel. Syst. Nat.* 2705, n. 325.

36. TRYPHON SCOTOPTERUS. B. M.

Tryphon scotopterus, *Grav.* ii. 244, 158.
Ichneumon scotopterus, *Grav. Pede.* n. 129.

37. TRYPHON CEPHALOTES. B. M.

Tryphon cephalotes, *Grav.* ii. 246, 159.

38. TRYPHON TRISCULPTUS. B. M.

Tryphon trisculptus, *Step. Mand.* vii. 252, n. 60.

39. TRYPHON SEMICALIGATUS. B. M.

Tryphon semicaligatus, *Grav.* ii. 271, 178.
Ichneumon semicaligatus, *Grav. Pede.* n. 109.

40. TRYPHON SCOTICUS, n. s.

Abdominis medio, tibiisque flavis, his posticis apice et femoribus nigris.

Male. Head: face and mouth yellow; mandibles black at the base. Antennæ as long as the body, beneath yellow, above black. Wings smoky hyaline; radial nervure reddish, towards the stigma (which is black) pitchy; areolet irregular, oval, petiolated. Legs: coxæ black; trochanters yellow, black at the base; femora black; the four anterior ones beneath yellow; tibiæ pale; the hinder pair black at the apex; tarsi dusky yellow; first segment of the abdomen moderately convex, with two elevated lines, dilated at the apex, which is double the breadth of the base; second and third broad, yellow, with a dorsal reddish tinge, the remainder black. Taken in Scotland. Length 7 lines.

Allied to *T. elegantulus*, but the legs are more slender.

In Mr. Curtis's and Mr. Desvignes' collections.

41. TRYPHON AXILLARIS. B. M.

Tryphon axillaris, *Step. Mand.* vii. 256, n. 70.

42. TRYPHON INSOLENS. B. M.

Tryphon insolens, *Grav.* ii. 274, 179.

43. TRYPHON BRUNNICANS. B. M.

Tryphon brunnicans, *Grav.* ii. 270, 177.

44. TRYPHON QUADRILINEATUS. B. M.

Tryphon quadrilineatus, *Grav.* ii. 320, 207.

45. TRYPHON LONGIPES. B. M.

♂. Tryphon longipes, *Grav.* ii. 319, 206.
♀. Tryphon bicolor, *Grav.* ii. 326, 212.

46. TRYPHON MITIGOSUS. B. M.

Tryphon mitigosus, *Grav.* ii. 258, 168.
? Tryphon subfasciatus, *Step. Mand.* vii. 251, n. 55.

47. TRYPHON NOTATUS. B. M.

Tryphon notatus, *Grav.* ii. 261, 169.

48. TRYPHON BRUNNEIVENTRIS. B. M.

Tryphon brunneiventris, *Grav.* ii. 281, 187.

49. TRYPHON LATERALIS. B. M.

Tryphon lateralis, *Grav. Supp.* 690, 169 b.

50. TRYPHON LINEOLUS. B. M.

Tryphon lineolus, *Step. Mand.* vii. 255, n. 68.

51. TRYPHON BASALIS. B. M.

Tryphon basalis, *Step. Mand.* vii. 255, n. 69.

52. TRYPHON PROCURATOR. B. M.

Tryphon procurator, *Grav.* ii. 266, 174.
Ichneumon procurator, *Grav. Pede.* n. 131.

53. TRYPHON ZONATUS. B. M.

Tryphon zonatus, *Step. Mand.* vii. 258, n. 78.

54. TRYPHON ERYTHROPALPUS. B. M.

Tryphon erythropalpus, *Grav.* ii. 290, 133.
Ichneumon erythropalpus, *Gmel. Syst. Nat.* 2702, n. 297.

55. TRYPHON FULVILABRIS. B. M.

Tryphon fulvilabris, *Grav.* ii. 292, 194.

56. TRYPHON VERNALIS. B. M.

Tryphon vernalis, *Grav.* ii. 294, 197.

57. TRYPHON INVOLUTOR. B. M.

Tryphon involutor, *Grav.* ii. 296, 198.

58. TRYPHON PRODITOR. B. M.

Tryphon proditor, *Grav.* ii. 298, 199.

59. TRYPHON SIGNATOR. B. M.

Tryphon signator, *Grav.* ii. 301, 202.
Tryphon facialis, *Step. Mand.* vii. 263, n. 91.

60. TRYPHON BIMACULATUS, n. s. B. M.

Abdomine medio castaneo. Pedibus rufis; coxis nigris apice pallidis. Ore, clypeo, et maculis duabus connatis, sub antennis flavis. Areolâ nulla.

Head: mouth, labrum and two confluent oval spots below the antennæ yellow. Antennæ as long as the body, ferruginous beneath. Thorax gibbous; two dots before the wings and a short abrupt line below them yellow. Wings ample; stigma fuscous, with a pale spot in front on the costa; scales and base pale yellow; areolet wanting. Legs red; coxæ black; the four anterior ones white at the apex. Abdomen from the second segment equilateral; first segment subpetiolated, turned at the apex; a deep channel extends from the base beyond the lateral tubercles, which are prominent, and situated a little before the middle; the apical half of the second segment and the third wholly dingy chestnut; the remainder black or very obscure ferruginous. Length 3 lines.

61. TRYPHON RUTILATOR. B. M.

Tryphon rutilator, *Grav.* ii. 305, 205.
Ichneumon rutilator, *Linn. Faun. Suec.* n. 1607. *Fuesl. Helv.* 49, n. 954. *Fab. Syst. Ent.* 336, n. 50. *Razoumowsky*, 215, § 247. *Grav. Pede.* n. 135.
Ichneumon impregnator, *Schrank*, *Austr.* n. 793.
Ichneumon anodon, *Schrank*, *Faun. Boica*, n. 2095.
Ichneumon ceparum, *Schrank*, *Faun. Boica*, n. 2992.

Ichneumon insultator, *Grav. Uebers.* n. 3744.
Tryphon quadratus, *Step. Mand.* vii. 262, 89.
Tryphon atriceps, *Step. Mand.* vii. 262, 90.

Genus 3. CTENISCUS.

Cteniscus, *Haliday, Ann. Nat. Hist.* ii. 113 (1839).
Exenterus, *Hartig, Ratzeburg, Forst. Ins.* iii. 14.
Tryphon, *Grav.* ii. *Step. Mand.* vii.

1. CTENISCUS CURTISII.

Cteniscus Curtisii, *Hal. Ann. Nat. Hist.* ii. 113.
In Mr. Haliday's collection.

2. CTENISCUS AURIFLUUS.

Cteniscus aurifluus, *Hal. Ann. Nat. Hist.* ii. 113.
In Mr. Haliday's collection.

3. CTENISCUS PHÆORRHÆUS.

Cteniscus phæorrhæus, *Hal. Ann. Nat. Hist.* ii. 113.
In Mr. Haliday's collection.

4. CTENISCUS MESOLEPTOIDES. B. M.

Cteniscus mesoleptoides, *Step. Mand.* vii. 245, 38.

5. CTENISCUS SEXLITURATUS. B. M.

Cteniscus sexlituratus, *Grav.* ii. 159, 102.

6. CTENISCUS LUCIDULUS. B. M.

Cteniscus lucidulus, *Grav.* ii. 162, 104.

7. CTENISCUS SEXCINCTUS. B. M.

Cteniscus sexcinctus, *Grav.* ii. 164, 105.

8. CTENISCUS MELANOLEUCUS. B. M.

Cteniscus melanoleucus, *Grav.* ii. 169, 110.

9. CTENISCUS MARGINATORIUS.

Cteniscus marginatorius, *Grav.* ii. 191, 125.
Ichneumon marginatorius, *Fab. Ent. Syst.* 145, n. 48.
In Mr. Curtis's collection.

10. CTENISCUS APIARIUS. B. M.

Cteniscus apiarius, *Grav.* ii. 196, 126.

Subgenus 1. EXOCHUS.

Exochus, *Grav.*

SECTION I.—*Areolet small.*

1. EXOCHUS FRENATOR. B. M.

Exochus frenator, *Grav.* ii. 332, 214.

2. EXOCHUS CURVATOR. B. M.

Exochus curvator, *Grav.* ii. 335, 215.
Ichneumon curvator, *Fab. Ent. Syst.* 177, n. 182.

3. EXOCHUS PODAGRICUS. B. M.

Exochus podagricus, *Grav.* ii. 336, 216.

4. EXOCHUS ÆTHIOPS. B. M.

Exochus æthiops, *Grav. Supp.* 693, 216 b.

5. EXOCHUS ANTIQUUS.

Exochus antiquus, *Hal. Ann. Nat. Hist.* ii. 113.
In Mr. Haliday's collection.

6. EXOCHUS GLOBULIPES, n. s.

Niger, subsericeus. Pedibus crassis, albidis.

Head: mouth obscure, ferruginous; palpi pale. Antennæ rather more than half the length of the body; those of the male a little stouter than those of the female; the basal half pale straw-colour, towards the apex much deeper. Wings hyaline; stigma

black or obscure; squamula pale; areolet petiolated, irregular. Legs short, thick, obscure or dirty straw-colour. Coxæ of the male pitchy, lighter at the apex; the hinder pair only in the female fulvo-ferruginous; femora beneath more or less dusky; hinder tibiæ pale, obscure at the apex. Abdomen of the male more shining than that of the female; first segment rather narrower at the base than at the apex; the remainder in the male equilateral; of the female broader, slightly sericeous. Length 2—3 lines.

In Mr. Desvignes' collection.

Section II.—*Areolet wanting.*

7. Exochus mansuetor. B. M.

Exochus mansuetor, *Grav.* ii. 339, 217.
Ichneumon mansuetor, *Grav. Uebers.* n. 3721.

8. Exochus coronatus. B. M.

Exochus coronatus, *Grav.* ii. 342, 218.

9. Exochus lentipes. B M.

Exochus lentipes, *Grav.* ii. 344, 219.

10. Exochus femoralis. B. M.

Exochus femoralis, *Grav.* ii. 346, 220.
Ichneumon femoralis, *Fourcroy*, 396, n. 11. *Vill.* 188, n. 166. *Oliv.* 207, n. 4. *Grav. Pede.* n. 136.

11. Exochus prosopius. B. M.

Exochus prosopius, *Grav.* ii. 349, 223.

12. Exochus gravipes. B. M.

Exochus gravipes, *Grav.* ii. 351, 225.
Ichneumon gravipes, *Grav. Pede.* n. 137.

13. Exochus cristator. B. M.

Exochus cristator, *Grav.* ii. 352, 226.

14. Exochus gravis. B. M.

Exochus gravis, *Grav.* ii. 354, 227.

15. Exochus Talpa.
Exochus Talpa, *Hal. Ann. Nat. Hist.* ii. 113.
In Mr. Haliday's collection.

16. Exochus pectoralis.
Exochus pectoralis, *Hal. Ann. Nat. Hist.* ii. 113.
In Mr. Haliday's collection.

17. Exochus lictor.
Exochus lictor, *Hal. Ann. Nat. Hist.* ii. 113.
In Mr. Haliday's collection.

Subgenus 2. SCOLOBATES.

1. Scolobates crassitarsus.
Scolobates crassitarsus, *Grav.* ii. 360, 230.
In Mr. Desvignes' collection.

2. Scolobates italicus.
♀. Scolobates italicus, *Grav.* ii. 362, 231.
In Mr. Desvignes' collection.

Subgenus 3. CHYRONOMON.

Chyronomon, *Desv.*
Anomalon, *Curt.*

1. Chyronomon vesparum. B. M.
Anomalon vesparum, *Curt. Brit. Ent.* 198.

Subgenus 4. SPHINCTUS.

1. Sphinctus serotinus. B. M.
Sphinctus serotinus, *Grav.* ii. 365, 232.

Genus 4. TROGUS.

Trogus, *Grav.*
Ichneumon, *Curtis.*

1. Trogus alboguttatus. B. M.

Trogus alboguttatus, *Grav.* ii. 373, 1.

2. Trogus lutorius. B. M.

Trogus lutorius, *Grav.* ii. 374, 2.
Ichneumon lutorius, *Fab. Mant.* 362, n. 34. *Gmel. Syst. Nat.* 2682, n. 100.
Ichneumon nigrocaudatus, *Retz.* 68, n. 268.
Ichneumon crocatus, *Fourcroy*, 399, n. 20.
Syn. to *var.* δ, *Grav.* 378
Trogus exaltatorius, *Wesm. Tent.* 143, 2.
Trogus atrocaudatus, *Step. Mand.* vii. 271, 3.

3. Trogus atropos. B. M.

Ichneumon atropos, *Curt. Brit. Ent.* pl. 234.

4. Trogus luteiventris. B. M.

Trogus luteiventris, *Grav.* ii. 386, 4.

Subgenus 1. PLATYLABUS.

Platylabus, *Wesm.*

1. Platylabus rufus.

Platylabus rufus, *Wesm. Tent.* 154, 1.

2. Platylabus Gravenhorstii. B. M.

Trogus Gravenhorstii, *Curt. Cat.* c. 99.
In Mr. Curtis's collection.

Subgenus 2. APACLETICUS.

Apacleticus, *Wesm.*

1. Apacleticus bellicosus.

Apacleticus bellicosus, *Wesm. Tent.* 166, 1.

In Mr. Desvignes' collection.

Genus 4. ALOMYA.

Alomya, *Pz.*

1. Alomya ovator. B. M.

Alomya ovator, *Grav.* ii. 398, 1.
♂. Ichneumon ovator, *Fab. Ent. Syst.* 163, n. 122.
♂. Ichneumon elongator, *Fab. Syst. Ent.* 337, n. 55. *Vill.* 175, n. 122.
♂. Alomya nigra, *Grav.* ii. 405, 2.
♀. Ichneumon debellator, *Fab. Syst. Ent.* 333, n. 37.
♀. Cryptus debellator, *Fab. Piez.* 82, n. 47.
♀. Alomya debellator, *Panz. Revis.* 84.
♀. Ichneumon Fischeri, *Schrank, Beitr.* 89, § 54.
♀. Ichneumon trituberculatus, *Gmel. Syst. Nat.* 2708, 346.
♀. Ichneumon victor, *Curt. Brit. Ent.* iii. pl. 120.
♂, ♀. Alomya ovator, *Wesm. Tent.* 217.
♂, ♀. Alomya semiflava, *Step. Mand.* vii. 274, 2. (*Segmentis 2—4 flavis*).

Genus 5. CRYPTUS.

Subgenus 1. HOPLISMENUS.

Hoplismenus, *Grav.*

1. Hoplismenus mœstus. B. M.

Hoplismenus mœstus, *Grav.* ii. 412, 1.

2. Hoplismenus perniciosus. B. M.

Hoplismenus perniciosus, *Grav.* ii. 413, 3.
♂. Hoplismenus albifrons, *Grav.* ii. 417, 4.
♂. Hoplismenus bidentatus, *Grav.* ii. 412, 2.

3. Hoplismenus pictus.

Hoplismenus pictus, *Grav.* ii. 418, 5.
Ichneumon exornatus, *Wesm. Tent.* 80, n. 80.

In Mr. Desvignes' collection.

4. Hoplismenus dimidiatus. B. M.

Hoplismenus dimidiatus, *Grav.* ii. 421, 7.

5. Hoplismenus uniguttatus. B. M.

Hoplismenus uniguttatus, *Grav.* ii. 423, 8.

6. Hoplismenus albinus. B. M.

Hoplismenus albinus, *Grav.* ii. 424, 9.

7. Hoplismenus semirufus, n. s. B. M.

Segmentis 1—3, 4 *rufis. Antennis albo annulatis. Orbitis oculorum frontalibus tenuibus albis. Pedibus nigro-fuscis. Areolâ triangulari.*

♀. Head: mouth obscure, ferruginous; frontal orbits narrowly white. Antennæ slender; ninth to the thirteenth joints white. Scutellum depressed. Wings: stigma, costa and scales pale orange; a small dark spot before the stigma. Legs: coxæ and trochanters black; the femora nearly so; the extreme base fulvous; first pair of the tibiæ in front dirty white; second and third pair obscurely ferruginous, not so dark at the base; all the tarsi rufo-fuscescent. Abdomen from the first to the third segments and base of the fourth segment red, the rest black; their margins slightly ferruginous; the fifth segment beneath produced. Aculeus exserted as long as the last segment. Length 3¼ lines.

In Mr. Desvignes' collection.

Subgenus 2. CRYPTUS.

Section I. — *Scutellum and abdomen black.*

1. Cryptus macrobatus.

Cryptus macrobatus, *Grav.* ii. 440, 15.

In Mr. Desvignes' collection.

2. CRYPTUS CYANATOR. B. M.

Cryptus cyanator, *Grav.* ii. 442, 16.
Ichneumon fuscescens, *Gmel. Syst. Nat.* 2703, n. 311.
Ichneumon Rœselii, *Schæf.* 975, 40.

3. CRYPTUS TARSOLEUCUS. B. M.

Cryptus tarsoleucus, *Grav.* ii. 447, 19.
♂. Ichneumon tarsoleucus, *Schrank, Austr.* n. 725.
♂. Ichneumon leucopus, *Gmel. Syst. Nat.* 2700, n. 281.

4. CRYPTUS MOSCHATOR. B. M.

Cryptus moschator, *Grav.* ii. 451, 21.
♂. Ichneumon moschator, *Fab. Mant.* 266. *Trentepohl, Revis.* 24, n. 13. *Isis*, 1826, p. 71.

5. CRYPTUS BRACHYCENTRUS. B. M.?

Cryptus brachycentrus, *Grav.* ii. 457, 25.

6. CRYPTUS PARVULUS. B. M.

Cryptus parvulus, *Grav.* ii. 459, 26.

7. CRYPTUS ANATORIUS. B. M.

Cryptus anatorius, *Grav.* ii. 460, 27.

8. CRYPTUS SUBPETIOLATUS.

Cryptus subpetiolatus, *Grav. Supp.* i. 699.
In Mr. Curtis's and Mr. Desvignes' collections.

9. CRYPTUS BIVINCTUS. B. M.

Cryptus bivinctus, *Grav.* ii. 465, 30.
♀. Phygadeuon digitatus, *Grav.* ii. 642, 148.
♀. Ichneumon digitatus, *Gmel. Syst. Nat.* 2688, n. 258.

10. CRYPTUS STOMATICUS.

Cryptus stomaticus, *Grav.* ii. 466, 31.
In Mr. Desvignes' collection.

11. CRYPTUS LEUCOPSIS.

Cryptus leucopsis, *Grav.* ii. 467, 32.

In Mr. Desvignes' collection.

SECTION II.—*Scutellum pale. Abdomen black.*

12. CRYPTUS VIDUATORIUS. B. M.

Cryptus viduatorius, *Grav.* ii. 476, 40. ♀. *Fab. Piez.* 70, n. 2. ♂, ♀. *Steph. Nom.* 2 ed. *Gen.* 721, 11.
Ichneumon viduatorius, *Thunb. Ichn.* n. 82.

13. CRYPTUS CINCTORIUS. B. M.

Cryptus cinctorius, *Fab. Piez.* 78, 33. *Grav.* ii. 480, 43. *Step. Mand.* vii. 281, 12.
Ichneumon cinctorius, *Fab. Syst. Ent.* 332, 31.
Ichneumon Scirpi, *Fourc.* 413, n. 57.

SECTION III.—*Scutellum with pale markings. Abdomen red or red and black.*

14. CRYPTUS ARROGANS. B. M.

Cryptus arrogans, *Grav.* ii. 494, 49. *Step. Mand.* vii. 281, 13.

15. CRYPTUS ASSERTORIUS. B. M.

Cryptus assertorius, *Fab. Piez.* 76, n. 20. *Grav.* ii. 495, 50.
Ichneumon leucostictos, *Gmel. Syst. Nat.* 2679, n. 232.

16. CRYPTUS RUFIVENTRIS.

Cryptus rufiventris, *Grav.* ii. 497, 51.

In Mr. Desvignes' collection.

17. CRYPTUS APPARITORIUS. B. M.

Cryptus apparitorius, *Grav.* ii. 499, 52.
Ichneumon apparitorius, *Vill.* 143, n. 29. *Oliv.* 169, n. 26. *Walck.* 52, n. 18.

18. CRYPTUS ARMATORIUS.

Cryptus armatorius, *Fab. Piez.* 71, n. 3. *Grav.* ii. 502, 54.
Ichneumon armatorius, *Fab. Mant.* 260, n. 14. *Gmel. Syst. Nat.* 2676, n. 82. *Vill.* 140, n. 16.
In Mr. Desvignes' collection.

19. CRYPTUS PERSPICILLATOR. B. M.

Cryptus perspicillator, *Grav.* ii. 503, 55.
Ichneumon perspicillator, *Grav. Uebers.* n. 3754.

20. CRYPTUS VOLUBILIS. B. M.

Cryptus volubilis, *Grav.* ii. 507, 58.

21. CRYPTUS TINCTORIUS. B. M.

Cryptus tinctorius, *Grav.* ii. 509, 60.

22. CRYPTUS HOSTILIS.

Cryptus hostilis, *Grav.* ii. 512, 62.
In Mr. Desvignes' collection.

23. CRYPTUS TRICOLOR.

Cryptus tricolor, *Grav.* ii. 514, 64.
In Mr. Desvignes' collection.

24. CRYPTUS CONFUTOR. B. M.

Cryptus confutor, *Grav.* ii. 518, 66.

25. CRYPTUS GRACILIS. B. M.

Cryptus gracilis, *Grav.* ii. 520, 67.

26. CRYPTUS NIGRIPES.

Cryptus nigripes, *Grav.* ii. 523, 69.
In Mr. Desvignes' collection.

27. CRYPTUS LEUCOTARSUS. B. M.

Cryptus leucotarsus, *Grav.* ii. 524, 70.

28. CRYPTUS SPECTATOR. B. M.
Cryptus spectator, *Grav.* ii. 592, 76.

29. CRYPTUS CONGRUENS.
Cryptus congruens, *Grav.* ii. 533, 80.
In Mr. Desvignes collection.

30. CRYPTUS QUADRILINEATUS.
Cryptus quadrilineatus, *Grav.* ii. 535, 81.
In Mr. Desvignes' collection.

31. CRYPTUS ALBATORIUS. B. M.
Cryptus albatorius, *Grav.* ii. 536, 82.
Ichneumon albatorius, *Vill.* 156, n. 63.

32. CRYPTUS LEUCOSTICTUS.
Cryptus leucostictus, *Grav.* ii. 538, 83.
In Mr. Desvignes' collection.

33. CRYPTUS TIBIATOR. B. M.
Cryptus tibiator, *Grav.* ii. 539, 84.

34. CRYPTUS PYGOLEUCUS. B. M.
Cryptus pygoleucus, *Grav.* ii. 540, 85.

35. CRYPTUS ISCHIOLEUCUS. B. M.
Cryptus ischioleucus, *Grav.* ii. 541, 86.

36. CRYPTUS SEDULUS. B. M.
Cryptus sedulus, *Grav.* i. *Sup.* 701.

37. CRYPTUS SUBCINCTUS.
Cryptus subcinctus, *Grav.* i. *Sup.* 703.
In Mr. Hope's collection.

SECTION IV.—*Scutellum black. Abdomen red or red and black.*

38. CRYPTUS DIANÆ. B. M.

Cryptus Dianæ, *Grav.* ii. 545, 88.

39. CRYPTUS OBSCURUS. B. M.

Cryptus obscurus, *Grav.* ii. 548, 91.

40. CRYPTUS SPONSOR. B. M.

Cryptus Sponsor, *Fab. Piez.* 83, n. 50. *Grav.* ii. 554, 93.

41. CRYPTUS ANALIS. B. M.

Cryptus analis, *Grav.* ii. 560, 97.
Bassus analis, *Grav. Uebers.* n. 3781.

42. CRYPTUS TITILLATOR. B. M.

Cryptus titillator, *Fab. Piez.* 86, n. 68. *Grav.* ii. 564, 98.
Ichneumon titillator, *Linn. Faun. Suec.* n. 1611. *Fab. Syst. Ent.* 337, n. 56. *Latr. Crust.* xiii. 188, n. 35.

43. CRYPTUS BRACHYURUS. B. M.

Cryptus brachyurus, *Grav.* ii. 572, 103.

44. CRYPTUS PELLUCIDATOR. B. M.

Cryptus pellucidator, *Grav.* ii. 581, 110.

45. CRYPTUS MIGRATOR. B. M.

Cryptus migrator, *Grav.* ii. 592, 119.
Ichneumon migrator, *Fab. Syst. Ent.* 334, n. 38. *Gmel. Syst. Nat.* 2686, n. 116. *Vill.* 162, n. 82.
Ichneumon dictator, *Fourc.* 410, n. 51.
Ichneumon emigrator, *Walck.* 56, n. 37.

46. CRYPTUS RUFICEPS, n. s.

Abdomine rufo, ano albo, femoribus et tibiis rufis. Alarum nubeculâ ferrugineo-fuscâ sub stigmate. Antennarum annulo albo. Orbitis frontalibus fulvis.

Head, with the frontal orbits, fulvous; cheeks, mouth and face of the same colour, the latter with a quadrate or slightly oblong black patch on each side; tip of the mandibles black. Antennæ filiform, little more than half the length of the body, pale ferruginous or testaceous, underneath more obscure towards the apex; from the apex of the sixth to the tenth joints white above. Thorax gibbous. Metathorax rounded, nearly smooth. Wings with a smoky-brown patch through the stigma, before which, on the costa, is a much lighter spot; their base yellowish; squamula brown. Legs: coxæ ferruginous or rufous; the middle pair black at the base; the hinder ones black above; the base of all the trochanters dusky; femora and tibiæ rufous; the former with a dusky undefined line on the upper edge; the hinder pair wholly rufous; tarsi dusky red. Abdomen red; first segment longer than broad, with a dorsal channel; fifth to the seventh cloudy; the apex of the last white. Aculeus two-thirds the length of the abdomen. Length 4¼ lines.

47. CRYPTUS TUMIDUS, n. s.

Capite transverso, tumido. Segmentis 1—3 *rufis; sequentibus nigricantibus summo apice ferrugineis. Pedibus rufis; coxis nigris. Aculeo fere longitudine corporis.*

Head transverse, of equal breadth, the crown convex; eyes, seen from above, small, laterally parallel with the cheeks and occiput. Antennæ beneath ferruginous, from the seventh to the tenth joints above white, the remainder black. Thorax somewhat gibbous. Metathorax with two transverse sinuated ridges. Wings hyaline, with a faint cloud through the stigma, which is pitchy; areolet 5-angular. Legs slender, red; coxæ black, their apex ferruginous; trochanters blackish; apophyses reddish. Abdomen elongate, oval; first segment beyond the petiole quadrate, smooth, with a flat dorsal channel; second and third red; fourth and fifth pitchy black; the apical margins ferruginous. Aculeus nearly the length of the body. Length 4 lines.

In Mr. Desvignes' collection.

48. CRYPTUS FUMIPENNIS. B. M.

Cryptus fumipennis, *Grav.* ii. 601, 120.

49. CRYPTUS PEREGRINATOR. B. M.

Cryptus peregrinator, *Grav.* ii. 605, 123.

Ichneumon peregrinator, *Linn. Faun. Suec.* n. 1601. *Fuessl. Helv.* 49, n. 950. *Fourc.* 411, n. 52.
Ichneumon incubitor, *Christ.* t. 36, f. 5.

50. CRYPTUS LACTEATOR.

Cryptus lacteator, *Grav.* ii. 618, 131.

In Mr. Desvignes' collection.

51. CRYPTUS ORNATUS. B. M.

Cryptus ornatus, *Grav.* ii. 620, 132.

52. CRYPTUS ERYTHRINUS. B. M.

Cryptus erythrinus, *Grav.* ii. 621, 133.

53. CRYPTUS ELEGANS.

Segmentis 1—3 *rufis ; 6 et 7 albis. Pedibus rufis, posticis, femorum et tibiarum apice, nigris ; tarsis posticis nigris annulo albo.* Fœm.—*Antennarum annulo albo. Aculeo quadrantis abdominis longitudine.*

Cryptus elegans, *Curtis's MS.*

Black: antennæ of the male beneath obscure, testaceous; of the female, first joint black; second to the sixth rufous; seventh to the ninth white. Thorax gibbous. Wings smoky hyaline; costa rufous; base testaceous; stigma and costa beyond pitchy; areolet large, quadrate. Legs red; apex of hinder femora and tibiæ black; the apical joint of the four anterior tarsi deep ferruginous; third and fourth joints of the hinder tarsi white, male and female; the extreme apex of the fourth blackish. Abdomen elongate, pyriform; first to the third and base of the fourth segments red; apex of the third cloudy; the apical half of the first segment very little broader than the petiole, the lateral margins slightly elevated; apex of the second segment twice the breadth of its base; a white fascia on the sixth and seventh segments; the anal stiles of the male prominent. Aculeus of the female one-fourth the length of the abdomen. Length 5—6 lines.

It is closely allied to *C. amœnus*, Grav. ii. 623, 135, but is much larger; the hinder tarsi and aculeus differ.

♂, ♀. In Mr. Curtis's collection.
♂. In Mr. Desvignes' collection.

SECTION V. — *Scutellum and thorax partly red. Abdomen red and black.*

54. CRYPTUS FLAGITATOR. B. M.

Cryptus flagitator, *Grav.* ii. 627, 137.

55. CRYPTUS HOPEI. B. M.

Cryptus Hopei, *Desv.*
Var.? Crypti flagitatoris, *Grav.* i. *Sup.* 705.

56. CRYPTUS SANGUINATOR, n. s.

Rufo-sanguineus occipite nigro. Antennarum annulo albo; freno et lateribus scutelli nigris. Coxis et femoribus nigris. Segmentis 1—3 *et basi quarti rufis; reliquis nigris,* 6 *et* 7 *dorso albis. Aculeo triente abdominis breviore.*

Head rufous; hinder part and round the insertion of the antennæ black. Antennæ reddish; first joint beneath red; ninth to the thirteenth white, tinged with red; the remainder ferruginous. Thorax with a spot on each side before the collar. Below and sides of the scutellum extending to the base of the wings black. Metathorax slightly bituberculated, between the tubercles excavated; breast, coxæ and femora black, the base of the latter rufous; first pair of tibiæ and tarsi somewhat testaceous; second pair of tibiæ darker on one side; hinder pair ferruginous at the base, black at the apex; tarsi obscure. Wings: stigma testaceous or fuscous; areolet subtriangular. Abdomen: segments 1—3 and the lateral margins at the base of the fourth red; sixth with a dorsal patch; seventh entirely white. Aculeus one-third or one-fourth the length of the abdomen. Length $2\frac{1}{2}$—3 lines.

In Mr. Desvignes' collection.

57. CRYPTUS RUFONIGER, n. s.

Abdominis basi et metathorace rufis. Scutello anoque albis, annulo antennarum albo. Pedibus rufo-fuscis.

Antennæ from the ninth to the twelfth joints white, the remainder black; the basal joints dull fuscous. Prothorax and breast black. Metathorax red. Scutellum white. Wings: stigma, costa

and base dirty testaceous; areolet quadrangular, its second outer nervure oblique. Abdomen: the first and second segments and the sides of the third testaceous-red; the extreme margin of the fifth, sixth and seventh entirely white. Aculeus one-third the length of the abdomen. Legs reddish brown; the outer sides of the hinder coxæ fuscous. Length 2½ lines.

It appears to be allied to *C. carnifex*, but the colour of the scutellum differs; the aculeus is also shorter.

In Mr. Desvignes' collection.

58. CRYPTUS SIGNATORIUS. B. M.

Cryptus signatorius, *Fab. Piez.* 71, n. 6.
Ichneumon signatorius, *Fab. Ent. Syst.* 135, n. 14.
Cryptus bellosus, *Curt. Brit. Ent.* pl. 668.

In the collections of Mr. Curtis and Mr. Desvignes.

Reared from the larva of *Epipone lævipes*.

Subgenus 3. PHYGADEUON.

SECTION I.—*Scutellum and abdomen black.*

1. PHYGADEUON DIGITATUS.

Phygadeuon digitatus, *Grav.* ii. 642, 148.
Ichneumon digitatus, *Gmel. Syst. Nat.* 2688, n. 258. (♀ of *Cryptus bivinctus*, Fam. 2).

SECTION II. — *Scutellum with white markings. Abdomen black and red.*

2. PHYGADEUON PUMILIO. B. M.

Phygadeuon pumilio, *Grav.* ii. 653, 156.

3. PHYGADEUON JUCUNDUS. B. M.

Phygadeuon jucundus, *Grav.* ii. 658, 161.

4. PHYGADEUON TERMINATUS. B. M.

Phygadeuon terminatus, *Grav.* ii. 665, 164.

5. PHYGADEUON LARVATUS. B. M.
Phygadeuon larvatus, *Grav.* ii. 662, 163.

SECTION III.—*Scutellum black. Abdomen red or red and black.*

6. PHYGADEUON DUMETORUM. B. M.
Phygadeuon dumetorum, *Grav.* ii. 669, 168.

7. PHYGADEUON IMPROBUS.
Phygadeuon improbus, *Grav.* ii. 670, 169.
In Mr. Desvignes' collection.

8. PHYGADEUON QUADRISPINUS. B. M.
Phygadeuon quadrispinus, *Grav.* ii. 674, 172.

9. PHYGADEUON CURVUS. B. M.
Phygadeuon curvus, *Grav.* ii. 679, 173.
Ichneumon curvus, *Schrank*, *Faun. Boica*, n. 2087.

10. PHYGADEUON RUFINUS.
Phygadeuon rufinus, *Grav.* ii. 681, 174.
In Mr. Desvignes' collection.

11. PHYGADEUON FUMATOR.
Phygadeuon fumator, *Grav.* ii. 687, 179.
In Mr. Desvignes' collection.

12. PHYGADEUON NITIDUS.
Phygadeuon nitidus, *Grav.* ii. 708, 188.
In Mr. Hope's collection.

13. PHYGADEUON AMBIGUUS.
Phygadeuon ambiguus, *Grav.* ii. 703, 185.
In Mr. Desvignes' collection.

14. PHYGADEUON JEJUNATOR.

Phygadeuon jejunator, *Grav.* ii. 715, 196.

In Mr. Desvignes' collection. ? *Var.* 1.

15. PHYGADEUON VARIABILIS.

Phygadeuon variabilis, *Grav.* ii. 705, 187.

In Mr. Hope's collection.

16. PHYGADEUON PROCERUS. B. M.

Phygadeuon procerus, *Grav.* ii. 722, 200.

17. PHYGADEUON ABDOMINATOR. B. M.

Phygadeuon abdominator, *Grav.* ii. 726, 202.

18. PHYGADEUON PROFLIGATOR. B. M.

Phygadeuon profligator, *Grav.* ii. 729, 203.

♀. Ichneumon profligator, *Fab. Syst. Ent.* 334, n. 39. *Gmel. Syst. Nat.* 2686, n. 118. *Razoumowski*, 215, n. 250. *Grav. Uebers.* n. 3775.

Cryptus profligator, *Fab. Piez.* 83, n. 52.

19. PHYGADEUON VAGABUNDUS.

Phygadeuon vagabundus, *Grav.* ii. 735, 205.

In Mr. Desvignes' collection.

20. PHYGADEUON PLAGIATOR.

Phygadeuon plagiator, *Grav.* ii. 739, 208.

In Mr. Desvignes' collection.

21. PHYGADEUON PARVIVENTRIS.

Phygadeuon parviventris, *Grav.* ii. 746, 214.

In Mr. Desvignes' collection.

22. PHYGADEUON SPINOLÆ.

Phygadeuon Spinolæ, *Grav.* ii. 712, 192.

In Mr. Hope's collection.

23. PHYGADEUON ERYTHROSTICTUS.
Phygadeuon erythrostictus, *Grav.* ii. 714, 194.
In Mr. Hope's collection.

24. PHYGADEUON PODAGRICUS.
Phygadeuon podagricus, *Grav.* i. *Sup.* 710.
In Mr. Hope's collection.

25. PHYGADEUON ERYTHROGASTER.
Phygadeuon erythrogaster, *Grav.* ii. 742, 210.
In Mr. Hope's collection.

Subgenus 4. MESOSTENUS.

Mesostenus, *Grav.*

1. MESOSTENUS TRANSFUGA. B. M.
Mesostenus transfuga, *Grav.* ii. 752, 217.

2. MESOSTENUS LIGATOR. B. M.
Mesostenus ligator, *Grav.* ii. 760, 222.

3. MESOSTENUS OBNOXIUS. B. M.
Mesostenus obnoxius, *Grav.* ii. 763, 223.

Subgenus 5. HEMITELES.

SECTION I.—*Thorax and abdomen black.*

1. HEMITELES TRISTATOR.
Hemiteles tristator, *Grav.* ii. 787, 231.
In Mr. Desvignes' collection.

2. HEMITELES FULVIPES.
Hemiteles fulvipes, *Grav.* ii. 792, n. 234. *Ratz. Forst. Ins.* 7, f. 6.
In Mr. Desvignes' collection.

3. HEMITELES MELANARIUS.

Hemiteles melanarius, *Grav.* ii. 790, n. 233.

In Mr. Desvignes' collection.

4. HEMITELES SIMILIS.

Hemiteles similis, *Grav.* ii. 793, n. 235.
Ichneumon similis, *Gmel. Syst. Nat.* 2720, n. 393.

In Mr. Desvignes' collection.

SECTION II.—*Thorax black. Abdomen red and black.*

5. HEMITELES ÆSTIVALIS.

Hemiteles æstivalis, *Grav.* ii. 805, n. 244.

In Mr. Desvignes' collection.

6. HEMITELES PALPATOR.

Hemiteles palpator, *Grav.* ii. 818, n. 252.
Ichneumon palpator, *Müll. Prod.* n. 1832.

In Mr. Desvignes' collection.

7. HEMITELES PAPILIONIS.

Hemiteles papilionis, *Curt.*

In Mr. Desvignes' collection.

8. HEMITELES INIMICUS.

Hemiteles inimicus, *Grav.* ii. 824, n. 254.

In Mr. Desvignes' collection.

9. HEMITELES MICATOR.

Hemiteles micator, *Grav.* ii. 832, n. 261.

In Mr. Desvignes' collection.

10. HEMITELES RIDIBUNDUS.

Hemiteles ridibundus, *Grav.* ii. 844, n. 272.

In Mr. Desvignes' collection.

11. HEMITELES VICINUS.

Hemiteles vicinus, *Grav.* ii. 845, n. 273.

In Mr. Desvignes' collection.

SECTION III.—*Thorax red and black.*

12. HEMITELES AREATOR.

Hemiteles areator, *Grav.* ii. 855, n. 281.
Ichneumon areator, *Panz. Faun.* fasc. 94, t. 14.

In Mr. Desvignes' collection.

13. HEMITELES MODESTUS.

Hemiteles modestus, *Grav.* ii. 858, n. 282.

In Mr. Desvignes' collection.

14. HEMITELES CINGULATOR.

Hemiteles cingulator, *Grav.* ii. 858, 283.

In Mr. Desvignes' collection.

15. HEMITELES BICOLORINUS.

Hemiteles bicolorinus, *Grav.* ii. 862, 284.

In Mr. Desvignes' collection.

Subgenus 6. AGRIOTYPUS.

Agriotypus, *Curtis.*

1. AGRIOTYPUS ARMATUS. B. M.

Agriotypus armatus, *Curt. Brit. Ent.* iii. 389.

Subgenus 7. PEZOMACHUS.

Pezomachus, *Grav.*

1. PEZOMACHUS ABERRANS. B. M.

Pezomachus aberrans, *Grav.* ii. 287 b.

2. PEZOMACHUS HEMIPTERUS. B. M.

Pezomachus hemipterus, *Grav.* ii. 874, 289.
Ichneumon hemipterus, *Fab. Ent. Syst.* 190, n. 238. *Grav. Pede.* 25, n. 1.
Cryptus hemipterus, *Fab. Piez.* 91, n. 94.
Ichneumon hemipterator, *Thunb. Ichn.* n. 373.
Aptesis hemiptera, *Foerster*, 39.

3. PEZOMACHUS BRACHYPTERUS. B. M.

Pezomachus brachypterus, *Grav.* ii. 876, 290.
Ichneumon brachypterus, *Grav. Pede.* 29.
Ichneumon abbreviator, *Panz. Faun.* fasc. 71, t. 17.

4. PEZOMACHUS ABBREVIATOR. B. M.

Pezomachus abbreviator, *Grav.* ii. 878, 291.
Ichneumon abbreviator, *Fab. Ent. Syst. Sup.* 222, n. 89. *Grav. Pede.* 28, n. 3.
Cryptus abbreviator, *Fab. Piez.* 84, n. 55.
Agrothereates abbreviator, *Foerster*, 33.

5. PEZOMACHUS HOPEI. B. M.

Pezomachus Hopei, *Grav.* i. *Sup.* 715, 291 b. *Curt. Brit. Ent.* 536.
Agrothereates Hopei, *Foerster*, 34.

6. PEZOMACHUS MICROPTERUS. B. M.

Pezomachus micropterus, *Grav.* ii. 879, 292.
Ichneumon micropterus, *Grav. Pede.* 26, n. 2.
Aptesis micropterus, *Foerster*, 41.

7. PEZOMACHUS NIGROCINCTUS. B. M.

Pezomachus nigrocinctus, *Grav.* ii. 880, 293.
Ichneumon nigrocinctus, *Grav. Pede.* 35, 7.
Ichneumon pedicularius, *Panz. Faun.* fasc. 81, t. 13.
Mutilla acarorum, *Schrank, Austr.* n. 840.
Aptesis nigrocincta, *Foerster*, 37.

8. PEZOMACHUS FASCIATUS. B. M.

Pezomachus fasciatus, *Grav.* ii. 889, 301.
Ichneumon fasciatus, *Fab. Ent. Syst.* 191, 242. *Panz. Faun.* fasc. 79, t. 14.

Ichneumon melanocephalus, *Vill.* 216, n. 269.
Mutilla melanocephala, *Schrank, Austr.* n. 841.
Cryptus fasciatus, *Fab. Piez.* 92, n. 98.

9. PEZOMACHUS VAGANS. B. M.

Pezomachus vagans, *Grav.* ii. 890, 302.
Ichneumon vagans, *Oliv.* 204, n. 199. *Walck.* 67, n. 87.
Ichneumon agilis, *Grav. Pede.* 45 (partim).

10. PEZOMACHUS AGILIS. B. M.

Pezomachus agilis, *Grav.* ii. 894, 303. *Ratz. Forst. Ins.* pl. vii. f. 5.
Ichneumon agilis, *Fab. Syst. Ent.* 344, n. 97. *Gmel. Syst. Nat.* 2716, n. 214. *Grav. Pede.* n. 45 (partim).
Cryptus agilis, *Fab. Piez.* 91, n. 95.
Ichneumon fuscicornis, *Retz.* n. 102.

11. PEZOMACHUS BICOLOR. B. M.

Pezomachus bicolor, *Grav.* ii. 902, 304.
Ichneumon bicolor, *Vill.* 218, n. 275.
Ichneumon agilis, *Grav. Pede.* 45 (partim).
Cryptus pulicarius, *Grav. Uebers.* n. 3778.

12. PEZOMACHUS HORTENSIS. B. M.

Pezomachus hortensis, *Grav.* ii. 907, 305.
Ichneumon hortensis, *Christ.* 375.
Ichneumon agilis, *Grav. Pede.* 45 (partim).

13. PEZOMACHUS STEVENII. B. M.

Pezomachus Stevenii, *Grav.* ii. 913, 306.

14. PEZOMACHUS VULPINUS. B. M.

Pezomachus vulpinus, *Grav.* ii. 914, 307.
Ichneumon vulpinus, *Grav. Pede.* 96, n. 16.

15. PEZOMACHUS PULICARIUS. B. M.

Pezomachus pulicarius, *Grav.* ii. 917, 309.
Ichneumon pulicarius, *Fab. Ent. Syst.* 191, n. 241.
Cryptus pulicarius, *Fab. Piez.* 91, n. 97.

16. PEZOMACHUS ACARORUM. B. M.

Pezomachus acarorum, *Grav.* ii. 919, 311.
Cryptus acarorum, *Fab. Piez.* 92, n. 99.
Ichneumon acarorum, *Fab. Syst. Ent.* 344, n. 99. *Christ.* 376. *Oliv.* 204, n. 198. *Grav. Pede.* 101, n. 20.
Mutilla acarorum, *Linn. Faun. Suec.* n. 1729. *Müll. Prod.* n. 1938.

17. PEZOMACHUS PEDICULARIUS.

Pezomachus pedicularius, *Grav.* ii. 922, 312.
Ichneumon pedicularius, *Fab. Ent. Syst.* 192, n. 244. *Grav. Pede.* 103, n. 21.
Ichneumon mutillarius, *Fab. Mant.* 271, n. 152.
Ichneumon mutillatus, *Gmel. Syst. Nat.* 2716, n. 217.

18. PEZOMACHUS CURSITANS. B. M.

Pezomachus cursitans, *Grav.* ii. 923, 313.
Cryptus cursitans, *Fab. Piez.* 91, n. 96.
Ichneumon cursitans, *Fab. Syst. Ent.* 344, n. 98. *Gmel. Syst. Nat.* 2716, n. 215. *Oliv.* 204, n. 197. *Grav. Pede.* 104, n. 22.

19. PEZOMACHUS FESTINANS. B. M.

Pezomachus festinans, *Grav.* ii. 926, 314.
Ichneumon festinans, *Fab. Ent. Syst. Sup.* 232, n. 247? *Grav. Pede.* 106, n. 23.
Cryptus festinans, *Fab. Piez.* 92, n. 103.

20. PEZOMACHUS LINEARIS.

Pezomachus linearis, *Walk.*

In Mr. Desvignes' collection.

21. PEZOMACHUS GRACILIS.

Pezomachus gracilis, *Walk.*

In Mr. Desvignes' collection.

22. PEZOMACHUS TESTACEUS. B. M.

Pezomachus testaceus.

23. PEZOMACHUS FULVEOLATUS. B. M.

Pezomachus fulveolatus.

Subgenus 8. PHYTODIETUS.

Phytodietus, *Grav.*

Section I.—*Thorax and scutellum black.*

1. Phytodietus errabundus.

Phytodietus errabundus, *Grav.* ii. 933, 316.

In Mr. Desvignes' collection.

2. Phytodietus niger.

Phytodietus niger, *Grav.* ii. 935, 318.

♂. Lampronota crenitorsus, *Curt. Brit. Ent.* 407.

In Mr. Desvignes' collection.

3. Phytodietus caligatus.

Phytodietus caligatus, *Grav.* ii. 936, 319.

♂ ? Lampronota fracticornis, *Hal. Ann. Mag. Nat. Hist.* ii. 121.

In Mr. Desvignes' collection.

4. Phytodietus corvinus.

Phytodietus corvinus, *Grav.* ii. 937, 320.

In Mr. Desvignes' collection.

5. Phytodietus chrysostomus.

Phytodietus chrysostomus, *Grav.* ii. 940, 323.

In Mr. Desvignes' collection.

6. Phytodietus plantarius. B. M.

Phytodietus plantarius, *Grav.* ii. 941, 324.

Section II.—*Thorax and scutellum variegated.*

7. Phytodietus scabriculus. B. M.

♂. Tryphon scabriculus, *Grav.* ii. 180, 119.

8. PHYTODIETUS SEGMENTATOR. B. M.

Phytodietus segmentator, *Grav.* ii. 944, 325.

9. PHYTODIETUS CORYPHÆUS.

Phytodietus Coryphæus, *Grav.* ii. 945, 326.

10. PHYTODIETUS OBSCURUS, n. s. B. M.

Marginibus segmentorum ultimorum obsolete glaucis. Pedibus rufis; ♂, coxis nigris subtus flavis puncto apicali nigro; posticis tibiis et tarsis nigricantibus. ♀, coxis totis et trochanteribus nigris.

Head: face of the male, mouth and cheeks, and a small spot on the crown adjoining the eyes, yellow; of the female black. Antennæ slender, nearly as long as the body, filiform; first joint beneath in the male yellow. Thorax gibbous; a yellow line and dot before the wings of the male; pleuræ and breast pale, or with pale spots; an indistinct pale spot on each side of the metathorax just above the first segment on the angular sides of the scutellum, and a line below on the frenum yellow. The thorax of the female is black. Scutellum as in the male, or with an apical dot, and another below yellow. Wings ample, smoky hyaline; scales, costa and stigma pale straw-colour; areolet triangular (the exterior nervure slopes towards the apex of wings), scarcely petiolated. Legs slender, fulvous; coxæ in the male more or less black above and pale beneath, also the trochanters; first joint of the hinder pair black; apophysis fulvous; femora with a black spot before the base and apex. Tibiæ and tarsi obscure, black or fuscous; female,—all the coxæ and base of the trochanters black, their apex fulvous; tibiæ and tarsi as in the male; the former obscure reddish before the base. Abdomen shining, nearly sessile; the margins of the fourth to the seventh segments more or less obsoletely glaucous. Aculeus shorter than the abdomen. Length $2\frac{1}{2}$—$3\frac{1}{2}$ lines.

Described from two males and four females.

11. PHYTODIETUS ORNATUS, n. s.

Scutello toto flavo thorace flavo-lineato, pectore rufo. Pedibus pallidis.

Head: mouth yellow. Face with two yellow dots below the antennæ; frontal orbits with two larger ones. Antennæ nearly as long as the body, very slender, beneath, testaceous; first joint pale.

Thorax with a broad hooked line, a dot before the wings, and a larger one beneath yellow; two dorsal parallel lines reddish yellow, the angles before the scutellum, an oblong spot below and freni yellow; pleuræ, breast and two round spots above the hinder coxæ red. Scutellum large, yellow, with a fulvous tinge on the disk. Wings hyaline; the base and stigma pale; areolet obliquely triangular, slightly petiolated. Legs elongate, slender; first pair, coxæ, and all the trochanters pale; the posterior ones fulvo-rufous; hinder femora with a dusky spot at the base; tarsi and tibiæ black or deep fuscous, the latter not so dark towards the apex. Abdomen smooth; the terminal segments obsoletely glaucous. Aculeus half the length of the abdomen. Length 3½ lines.

In Mr. Desvignes' collection.

Subgenus 9. ISCHNOCEROS.

Ischnoceros, *Grav.*

1. ISCHNOCEROS RUSTICUS. B. M.

Ischnoceros rusticus, *Grav.* ii. 951, 327.
Ichneumon rusticus, *Fourc.* 426, n. 95. *Vill.* 190, n. 176.
Ichneumon compunctor, *Panz. ad Schæff. Icon.* t. 224, f. 10?

Subgenus 10. MESOCHORUS.

Mesochorus, *Grav.*

1. MESOCHORUS SPLENDIDULUS. B. M.

Mesochorus splendidulus, *Grav.* ii. 965, 333.

2. MESOCHORUS THORACICUS. B. M.

Mesochorus thoracicus, *Grav.* ii. 971, 334.

3. MESOCHORUS TESTACEUS. B. M.

Mesochorus testaceus, *Grav.* ii. 973, 335.

4. MESOCHORUS SCUTELLATUS. B. M.

Mesochorus scutellatus, *Grav.* ii. 973, 336.

5. MESOCHORUS POLITUS. B. M.
Mesochorus politus, *Grav.* ii. 974, 337.

6. MESOCHORUS ALARIUS. B. M.
Mesochorus alarius, *Grav.* ii. 977, 338.

7. MESOCHORUS SERICANS.
Mesochorus sericans, *Curt. Brit. Ent.* pl. 464.
In Mr. Desvignes' collection.

8. MESOCHORUS FULGURANS. B. M.
Mesochorus fulgurans, *Hal. in Curt. Brit. Ent. desc. fol.* pl. 464.

9. MESOCHORUS SYLVARUM. B. M.
Mesochorus sylvarum, *Hal. in Curt. Brit. Ent. desc. fol.* pl. 464.

10. MESOCHORUS BASALIS.
Mesochorus basalis, *Hal. in Curt. Brit. Ent. desc. fol.* pl. 464.
In Mr. Curtis's collection.

11. MESOCHORUS TIPULARIUS.
Mesochorus tipularius, *Grav.* ii. 964, 332.
In Mr. Curtis's collection.

12. MESOCHORUS SPLENIUM.
Mesochorus Splenium, *Curt. Brit. Ent. desc. fol.* pl. 464.
In Mr. Curtis's collection.

13. MESOCHORUS OLERUM.
Mesochorus olerum, *Hal. in Curt. Brit. Ent. desc. fol.* pl. 464.

14. MESOCHORUS ATRICILLA.
Mesochorus atricilla, *Hal. Curt. Cat.*

15. MESOCHORUS ARENARIUS.
Mesochorus arenarius, *Hal. Curt. Cat.*

Subgenus 11. PLECTISCUS.

Plectiscus, *Grav.*

1. PLECTISCUS IMPURATOR.
Plectiscus impurator, *Grav.* ii. 982, 340.

2. PLECTISCUS ALBIPALPUS.
Plectiscus albipalpus, *Grav.* ii. 986, 343.

3. PLECTISCUS COLLARIS.
Plectiscus collaris, *Grav.* ii. 987, 344.
The above are indicated as British.

Subgenus 12. HELICTES.

Helictes, *Hal.*

1. HELICTES ERYTHROSTOMA. B. M
Helictes erythrostoma, *Hal.*
Plectiscus erythrostoma, *Grav.* ii. 988, 345.

2. HELICTES CRUENTATUS.
Helictes cruentatus, *Hal.*
In Mr. Haliday's collection.

3. HELICTES FULVICORNIS.
Helictes fulvicornis, *Hal.*
In Mr. Haliday's collection.

4. HELICTES VARIUS.
Helictes varius, *Hal.*
In Mr. Haliday's collection.

Subgenus 13. GLYPTA.

Glypta, *Grav.*

Section I.—*Hinder coxæ black.*

1. Glypta sculpturata. B. M.

Glypta sculpturata, *Grav.* iii. 7, 1.

2. Glypta teres. B. M.

Glypta teres, *Grav.* iii. 8, 2.

3. Glypta vulnerator. B. M.

Glypta vulnerator, *Grav.* iii. 11, 3.

4. Glypta hæsitator.

Glypta hæsitator, *Grav.* iii. 12, 4.

In Mr. Desvignes collection.

5. Glypta femorator, n. s.

Mas. *Facie pubescente. Segmentis 2 et 3 margine rufo. Coxis nigris, anterioribus apice flavo. Pedibus posticis nigricantibus; tibiis basi albis, medio sordide fulvis.*

Male. Head: apex of mandibles yellowish; face with a white pubescence. Antennæ not so long as the body, beneath ferruginous; first and second joints entirely black. Thorax with a small pale dot at the base of the wings. Wings ample; scales and stigma pale; costa darker. Anterior legs ochreous; the base of the coxæ black; hinder ones blackish; the extreme base of the femora fulvous; base of the tibiæ white, in the middle obscure fulvous; second and third segments of the abdomen at the apex reddish or chestnut, that of the first segment slightly so.

In Mr. Desvignes' collection.

Section II.—*Hinder coxæ red.*

6. Glypta bicornis, n. s.

Mas. *Fronte bicornuta. Segmentis singulis 2—3 maculâ magna triquetrâ. Pedibus rufis; coxis anterioribus flavis, posticis nigris, apice flavis.*

Male. Head with two short stout horns above the antennæ; face with a silvery down; labrum and mandibles yellow. Antennæ filiform recurved, black, beneath towards the apex testaceous, nearly the length of the body. Thorax with a yellow dot before the wings. Wings: stigma narrow, fuscous, their base and scales yellow. Legs slender, fulvous; the anterior coxæ and the first pair of trochanters yellow, the hinder ones black, pale at the apex; the posterior knees, tibiæ and tarsi blackish; the middle pair of the latter whitish at the joints. Abdomen a little narrower than the thorax; first segment shining, seen sideways, sinuated; second and third each with a triangular or pyriform fulvous spot; the remainder pubescent, black; the anal appendages stout. Length 4 lines.

In Mr. Desvignes' collection.

7. Glypta pedata, n. s.

Pedibus pallidis; coxis posticis rufis; tibiis posticis albis, apice et puncto ante basim fuscis; tarsis albo annulatis. Aculeo fere longitudine abdominis.

Head: labrum piceous; a small tubercle on the face. Antennæ rather more than half the length of the body, ferruginous beneath; first joint black. Thorax with a yellow dot before the wings. Wings: costa fuscous; stigma dirty straw-colour; base and scales yellow. Legs: anterior coxæ and trochanters yellow; hinder coxæ red; hinder tibiæ white, with a fuscous spot at the base and apex; joints of the tarsi white and fuscous. Abdomen black; the margins of the first to the third segments obscure chestnut. Aculeus nearly as long as the abdomen. Length $2\frac{1}{2}$—$3\frac{1}{2}$ lines.

Note.—Somewhat allied to *G. bifoveolata* and *G. mensurator*, but differs in the legs and aculeus.

8. Glypta nigrina, n. s. B. M.

Abdomine nigro. Pedibus rufis; tibiis posticis fuscis basi albidis. Aculeo abdomine breviore.

Head: mouth ferruginous; palpi fulvous. Antennæ little more than half the length of the body, above ferruginous, beneath

fulvous yellow; first joint at the apex sometimes nearly entirely yellow. Thorax with a yellow dot or line before the wings. Wings: costa and stigma pitchy or dirty straw-colour; base and scales yellow. Legs rufo-fulvous; first pair of the coxæ, and sometimes the middle ones, yellowish; hinder femora at the base and knees fuscescent; hinder tibiæ obscure, whitish at the base; tarsi fuscous. Abdomen as broad as the metathorax, somewhat shining. Aculeus shorter than the abdomen. Length 3—4 lines.

9. GLYPTA MONOCEROS. B. M.

Glypta monoceros, *Grav.* iii. 16, 6.

10. GLYPTA CERATITES. B. M.

Glypta ceratites, *Grav.* iii. 18, 8.

11. GLYPTA MENSURATOR. B. M.

Glypta mensurator, *Grav.* iii. 21, 9.
Ichneumon mensurator, *Fab. Syst. Ent.* 338, n. 65. *Vill.* 177, n. 155. *Gmel. Syst. Nat.* 2694, n. 155. *Oliv.* 191, 138.
Pimpla mensurator, *Fab. Piez.* 114, n. 8.

12. GLYPTA INCISA. B. M.

Glypta incisa, *Grav.* ii. 23, 10.

13. GLYPTA SCALARIS. B. M.

Glypta scalaris, *Grav.* iii. 24, 11.

14. GLYPTA BIFOVEOLATA. B. M.

Glypta bifoveolata, *Grav.* iii. 25, 12.

15. GLYPTA FLAVOLINEATA. B. M.

Glypta flavolineata, *Grav.* iii. 27, 13.

16. GLYPTA FLAVIPES, n. s. B. M.

Ore flavo. Antennis rufis, subtus pallide testaceis; articulo primo flavo, supra fusco, longitudine corporis; coxis et trochanteribus anterioribus flavis, posticis rufis.

Head: mouth and palpi pale. Antennæ as long as the body, reddish fulvous or red, beneath pale testaceous; first joint yellow, above fuscous or obscure. Thorax with a pale dot before the wings; the stigma and costa testaceous, the latter nearly pitchy; squamula and base pale. Legs: anterior coxæ and trochanters yellow; femora fulvous; tibiæ and tarsi paler; hinder coxæ and femora red or reddish; tibiæ and tarsi fuscous; the base of the former, as also of the latter, white or whitish; the angular incisions on the abdominal segments deep. Length 4 lines.

Section III.—*Thorax red.*

17. Glypta ruficeps, n. s.

Thorace et abodomine rufis.

Head: face red, with a white pubescence; mandibles yellow, behind the eyes near the neck rufous. Antennæ recurved half the length of the body, above red, beneath yellow. Thorax with a white spot before the wings; the back and breast entirely red. Wings: costa and stigma dirty straw-colour, yellow at the base. Legs yellowish red; hinder tibiæ fuscous at the apex, white at the base; tarsi fuscous, the last joint pale. Abdomen red, somewhat cloudy. Aculeus as long as the body. Length 3½ lines.

In Mr. Desvignes' collection.

18. Glypta lineata, n. s.

Fœm. *Thorace rufo vittis tribus nigris.* Mas.—*Dorso nigro. Abdomine rufo, basi segmentorum plus minusve fuscis aut nigricantibus.* Fœm.—*Aculeo fere longitudine abdominis, nigro.*

Head: face obscurely red; mouth paler, furnished with short white hairs, behind the eyes black. Antennæ above ferruginous, beneath fulvous. Thorax with three broad dorsal black lines in the female; metathorax and pleuræ red; breast reddish. Scutellum red. Wings: costa, stigma and base yellow. Legs red or fulvous; hinder tibiæ dirty white at the base; a fuscous spot before the base and apex; hinder tarsi obscure, the joints whitish at the base. Abdomen of the male red, with the apex fuscous; of the female as broad as the thorax; the apex of the segments fuscous. Aculeus nearly the length of the abdomen, black. Length of the male 2¼ lines; of the female 2½ lines.

In Mr. Desvignes' collection.

Subgenus 14. LAMPRONOTA.

(Lissonota, *Grav*).

Lampronota, *Hal. Ann. Mag. Nat. Hist.* ii. 120.
Lampronota, p., *Step.*

Scutellum and abdomen black.

1. LAMPRONOTA SETOSA. B. M.

Lissonota setosa, *Grav.* iii. 35, 14. *Ratz. Forst. Ins.* 6, f. 7.
Ichneumon setosus, *Fourc.* 395, n. 6. *Oliv.* 206, n. 1.
Lampronota setosa, *Curt.*

2. LAMPRONOTA DEFECTIVA. B. M.

Lissonota defectiva, *Grav.* iii. 38, 15.
Lampronota denticornis, *Hal. Ann. Mag. Nat. Hist.* ii. 120.

3. LAMPRONOTA SULPHURIFERA. B. M.

Lissonota sulphurifera, *Grav.* iii. 39, 18.

4. LAMPRONOTA SUBORBITALIS.

Lissonota suborbitalis, *Grav.* iii. 42, 20 b.

In Mr. Hope's collection.

5. LAMPRONOTA AGNATA. B. M.

Lissonota agnata, *Grav.* iii. 44, 22.

6. LAMPRONOTA CATENATOR. B. M.

Lissonota catenator, *Grav.* iii. 45, 23.
Ichneumon catenator, *Panz. ad Schæff.* t. 20, f. 10.
Ichneumon linearis, *Gmel. Syst. Nat.* 2701, n. 291.

7. LAMPRONOTA HORTORUM.

Lissonota hortorum, *Grav.* iii. 47, 25.

In Mr. Desvignes' collection.

8. LAMPRONOTA IMPRESSOR. B. M.

Lissonota impressor, *Grav.* iii. 50, 27.

9. LAMPRONOTA SEGMENTATOR. B. M.

Lissonota segmentator, *Grav.* iii. 52, 28.
Ichneumon segmentator, *Fab. Ent. Syst.* 163, n. 124.
Pimpla segmentator, *Fab. Piez.* 114, n. 8.

10. LAMPRONOTA FULVIPES, n. s. B. M.

Mas et fœm. *Pedibus fulvis.* (Fœm.—*Aculeo longitudine abdominis*).

Head: mouth and labrum fulvous in the male; of the female ferruginous; the palpi are paler in the male. Antennæ of the male slender, two-thirds the length of the body; apex recurved; of the female the length of the abdomen, incurved at the apex; first joint beneath obscurely ferruginous. Wings: stigma and costa black; the base and scales rusty fulvous; areolet triangular, petiolated. Scutellum prominent, triangular. Legs: hinder tarsi and tibiæ ashy, the latter rather paler at the base. Abdomen of the male nearly as broad as the thorax, that of the female as broad as the thorax; second and third segments with a small marginal tubercle on each side; first to the third opaque; the rest smooth and shining. Aculeus as long as the abdomen; terebra rufous. Length 7—8 lines.

Reared from *Trochilium bembeciforme.*

11. LAMPRONOTA FRONTALIS, n. s.

Mas. *Pedibus rufis. Antennis supra ferrugineis, subtus stramineo-rufis; tarsis posticis fuscis.*

Head: labrum and palpi testaceous; face, with the inner and frontal orbits, pale yellow. Antennæ two-thirds the length of the body, curved at the tip, above pitchy ferruginous, beneath testaceous; the first and second joints more or less black. Thorax with a light testaceous spot at the base of the wings. Wings moderate; the stigma and costa stramineous or fuscous; the base and scales pale testaceous; discoidal cellule petiolated, triangular. Scutellum somewhat depressed, a small elevated ridge below the apex. Metathorax rugosely punctate, with longitudinal elevated lines terminating before the declivity with a small arch. Legs fulvous-red; the hinder tibiæ obscure fuscous, the former paler towards the base. Abdomen elongate, fusiform, narrower than the thorax; first segment rather narrower at the base, with a deep channel before the lateral tubercles, which are placed before the middle; the apex of

the remaining segments slightly elevated or impressed. Length $3\frac{1}{2}$—6 lines.

In Mr. Desvignes' collection.

SECTION II.—*Scutellum pale or with pale markings. Abdomen with red or yellow bands, sometimes obsolete.*

12. LAMPRONOTA MACULATORIA.

Lissonota maculatoria, *Grav.* iii. 60, 33.
Ichneumon maculatorius, *Fab. Mant.* 261, n. 25. *Vill.* 152, n. 51. *Gmel. Syst. Nat.* 2681, n. 59. *Oliv.* 172, n. 39.
Bassus maculatorius, *Fab. Piez.* 96, n. 9.

In Mr. Desvignes' collection.

SECTION III.—*Scutellum pale spotted or red. Abdomen in the middle red.*

13. LAMPRONOTA PARALLELA. B. M

Lissonota parallela, *Grav.* iii. 79, 43.

14. LAMPRONOTA ARGIOLA. B. M

Lissonota argiola, *Grav.* iii. 83, 45.

15. LAMPRONOTA INSIGNITA.

Lissonota insignita, *Grav.* iii. 84, 46.

In Mr. Desvignes' collection.

SECTION IV.

16. LAMPRONOTA NOTABILIS, n. s.

Abdominis medio castaneo, basi segmentorum plus minusve nigris aut fuscis, ultimis apice summo flavicantibus; coxis nigro flavoque pictis, femoribus bicoloribus; tibiis et tarsis fulvis aut fulvi-flavis.

Head: face, base of the mandibles, and outer orbits, yellow. Antennæ long, subfiliform; first joint beneath yellow. Thorax: two short dorsal streaks in front; two lines before and one under the wings; a lateral spot and a smaller nearly contiguous one

yellow. Wings: stigma testaceous; costa dark; base and scales ivory-white; areolet petiolated; the outer nervure undefined. Coxæ black, beneath yellow, a very small spot on the hinder pair, which are stout; the four anterior trochanters and femora black on one side, yellowish white on the other; hinder trochanters black; femora rufous, edged with black outwardly; tibiæ and tarsi fulvous; anterior ones paler or yellowish. Abdomen black, from the second to the fourth segments at the apex chestnut; first segment nearly linear, one-third the breadth of the thorax, the central tubercles prominent. Length 4½ lines.

SECTION IV. — *Scutellum black. Abdomen red and black, or black with the margins of the segments red.*

17. LAMPRONOTA BICORNIS.

Lissonota bicornis, *Grav.* iii. 491, 49.

In Mr. Marshall's collection.

18. LAMPRONOTA VERBERANS.

Lissonota verberans, *Grav.* iii. 93, 50.

In Mr. Curtis's collection.

19. LAMPRONOTA DECIMATOR. B. M.

Lissonota decimator, *Grav.* iii. 96, 52.

20. LAMPRONOTA MURINA. B. M.

Lissonota murina, *Grav.* iii. 99, 54.

21. LAMPRONOTA ACCUSATOR.

Lissonota accusator, *Grav.* iii. 101, 57.
Ichneumon accusator, *Fab. Ent. Syst.* ii. 172, n. 161.
Pimpla accusator, *Fab. Piez.* 117, n. 21.

In Mr. Desvignes' collection.

22. LAMPRONOTA CYLINDRATOR. B. M.

Lissonota cylindrator, *Grav.* iii. 102, 58.
Ichneumon cylindrator, *Vill.* 180, n. 136. *Oliv.* 191, n. 139.
Ichneumon coccineus, *Christ.* 365, t. 38, f. 6?

23. LAMPRONOTA BELLATOR. B. M.

Lissonota bellator, *Grav.* iii. 106, 60.
Ichneumon bellator, *Grav. Uebers.* n. 3743.
Ichneumon coracinus, *Gmel. Syst. Nat.* 2704, n. 317.

24. LAMPRONOTA SEMIRUFA, n. s. B. M.

Pedibus rufis. Abdomine castaneo-rubro, disco segmentorum plus minusve nigro; aculeo fere longitudine corporis.

Head: mouth palé testaceous. Antennæ slender, filiform. Thorax: a yellow line before the wings broadest in the middle. Wings: stigma darker than the scales, which are pale; costa fuscous; areolet orbicular, incomplete. Legs red. Abdomen chestnut-red; first segment with a deep channel towards the base; its disk with a large black spot; the remainder more or less similarly marked in the centre; the terminal segments more obscure. Aculeus nearly as long as the body. Length 3—4 lines.

Var. 1. A white dot on each side of the scutellum.

25. LAMPRONOTA VARIPES, n. s.

Abdomine rufo; basi et apice nigro. Pedibus posticis nigris. Fœm.—*Aculeo abdomine paulo longiore.*

Head: mouth obscure, ferruginous or stramineous. Antennæ filiform, half the length of the body, recurved. Wings smoky hyaline; stigma and costa pitchy; base and scales somewhat pale; areolet orbicular or nearly so. Legs slender, testaceous; the coxæ, trochanters and hinder pair black; the apex of the tarsal joints ferruginous. Abdomen chestnut-red, black at the base and apex; first segment nearly the breadth of the thorax, a little dilated towards the apex, which is concolorous with the second to the fourth and fifth joints. Aculeus rather longer than the abdomen. Length 4 lines.

In Mr. Desvignes' collection.

Subgenus 15. POLYSPHINCTA.

Polysphincta, *Grav.*

1. POLYSPHINCTA VARIPES. B. M.

Polysphincta varipes, *Grav.* iii. 117, 64.

2. Polysphincta multicolor. B. M.

Polysphincta multicolor, *Grav.* iii. 119, 65.

3. Polysphincta percontatoria.

Polysphincta percontatoria, *Grav.* iii. 120, 66.
Ichneumon percontatorius, *Müll. Prodr.* n. 1787.
Pimpla phœnicea, *Curtis's Guide*, 512, 66 b.
Pimpla (Plectiscus) phœnicea, *Hal. Ann. Nat. Hist.* ii. 116.

In Mr. Desvignes' collection.

Subgenus 16. SCHIZOPYGA.

Schizopyga, *Grav.*

1. Schizopyga podagrica. B. M.

Schizopyga podagrica, *Grav.* iii. 127, 68, *var.*

2. Schizopyga analis. B. M.

Schizopyga analis, *Grav.* iii. 130, 70.

3. Schizopyga tricingulata.

Schizopyga tricingulata, *Grav.* iii. 129, 69, *var.* 3.

In Mr. Hope's collection.

Subgenus 17. CLISTOPYGA.

Clistopyga, *Grav.*

1. Clistopyga incitator. B. M.

Clistopyga incitator, *Grav.* iii. 134, 72.
Ichneumon incitator, *Fab. Ent. Syst.* ii. 172, n. 163.
Pimpla incitator, *Fab. Piez.* 117, n. 24.

2. Clistopyga hæmorrhoidalis. B. M.

Clistopyga hæmorrhoidalis, *Grav.* iii. 135, 73.

Subgenus 18. PIMPLA.

Pimpla, *Fabr. Syst. Piez.* 112.

SECTION I.—*Body red, spotted with black. Scutellum yellow.*

1. PIMPLA FLAVICANS. B. M.

Pimpla flavicans, *Fab. Piez.* 119, n. 33. *Grav.* iii. 141, 74.
Ichneumon Atalantæ, *Poda.* 106, n. 8.
Ichneumon speculator, *Scop. Carn.* n. 753. *Vill.* 185, n. 156.
Ichneumon acuminator, *Müll. Prod.* n. 1821.
Ichneumon quadripunctatus, *Schrank, Austr.* n. 754. *Gmel. Syst. Nat.* 2711, n. 191.
Ichneumon nigroculus, *Schrank, Austr.* n. 753.
Ichneumon vinctus, *Schrank, Austr.* n. 755.
Ichneumon scutellatus, *Fourc.* 402, n. 28.
Ichneumon incisus, *Gmel. Syst. Nat.* 2708, n. 352.
Ichneumon albiscutatus, *Gmel. Syst. Nat.* 2708, n. 347?
Ichneumon crassipes, *Rossi*, 787.
Ichneumon vulpes, *Christ.* t. 37, f. 3.
Ichneumon varius, *Oliv.* 197, n. 166.
Ichneumon flavicans, *Fab. Ent. Syst.* 182, n. 202.
Ichneumon melanops, *Schrank, Austr.* n. 752.
Ichneumon sticticator, *Thunb. Ichn.* n. 174.
Cryptus varius, *Grav. Uebers.* 3767, 3796.

SECTION II. — *Abdomen entirely, or some of the segments, red. Scutellum black.*

2. PIMPLA MELANOCEPHALA.

Pimpla melanocephala, *Grav.* iii. 149, 75.

In Mr. Curtis's collection.

SECTION III.—*Prothorax and scutellum red.*

3. PIMPLA RUFICOLLIS. B. M.?

Pimpla ruficollis, *Grav.* iii. 153, 78.

4. PIMPLA OCULATORIA. B. M.

Pimpla oculatoria, *Grav.* iii. 154, 79.

Ichneumon oculatorius, *Fab. Ent. Syst. Sup.* 221, 57.
Cryptus oculatorius, *Fab. Piez.* 78, n. 30.

SECTION IV. — *Scutellum with pale spots. Thorax black, occasionally with yellow dorsal lines. Abdomen black, or belted with dusky white or chestnut.*

5. PIMPLA RUFATA. B. M.

Pimpla rufata, *Grav.* iii. 164, 82.
(*Var.*) Ichneumon rufatus, *Gmel. Syst. Nat.* 2684, n. 240.

6. PIMPLA VARICORNIS. B. M.

♂. Pimpla varicornis, *Fab. Piez.* 119, n. 31.
Ichneumon brassicariæ, *Poda*, 105, n. 7.
Ichneumon cunctator, *Scop. Carn.* n. 752.
♀. Ichneumon cunctatorius, *Vill.* 149, n. 42.
♂. Ichneumon melanoxanthus, *Gmel. Syst. Nat.* 2708, n. 345.
♀. Ichneumon annulosus, *Gmel. Syst. Nat.* 2712, n. 270.
♂. Ichneumon varicornis, *Fab. Ent. Syst.* ii. 180, n. 193.

SECTION V.—*Scutellum and abdomen black, sometimes belted with chestnut. Hinder coxæ red.*

7. PIMPLA CALOBATA.

Pimpla calobata, *Grav.* iii. 176, 85.

In Mr. Desvignes' collection.

8. PIMPLA DIDYMA. B. M.

Pimpla didyma, *Grav.* iii. 178, 87.

9. PIMPLA GRAMINELLÆ. B. M.

Pimpla graminellæ, *Grav.* iii. 181, 91.
Ichneumon graminellæ, *Schrank*, *Faun. Boica*, n. 2128.

10. PIMPLA STERCORATOR. B. M.

♂. Pimpla stercorator, *Fab. Piez.* 117, n. 22.
♂. Ichneumon variegatus, *Gmel. Syst. Nat.* 2701, n. 289.
♂. Ichneumon aurifrons, *Gmel. Syst. Nat.* 2702, n. 299.

♀. Ichneumon scanicus, *Fourc.* 416. *Vill.* 185, n. 154. *Christ.* 367. *Oliv.* 213, n. 34.
♀. Ichneumon inquisitor, *Scop. Carn.* n. 754.
♀. Ichneumon perquisitor, *Oliv.* 213, n. 37.
♀. Ichneumon albipes, *Gmel. Syst. Nat.* 2701, n. 287.
♀. Ichneumon pennator, *Fab. Ent. Syst.* 171, n. 156.
♀. Pimpla pennator, *Fab. Piez.* 116, n. 17.
♂, ♀. Pimpla stercorator, *Grav.* iii. 186, 92.

11. PIMPLA TURIONELLÆ. B. M.

Pimpla turionellæ, *Grav.* iii. 192, 93, *var.* 3.
Ichneumon Turionellæ, *Linn. Faun. Suec.* 1615. *Gmel. Syst. Nat.* 2693.
Ichneumon geniculatus, *Fourc.* 397, n. 13.
Ichneumon contemplator, *Müll. Prod.* n. 1838.
Ichneumon fuscicornis, *Schrank, Berchtesg.* n. 92.
Cryptus turionellæ, *Fab. Piez.* 87, n. 72.

12. PIMPLA FLAVIPES.

Pimpla flavipes, *Grav.* ii. 197, 94.

In Mr. Desvignes' collection.

SECTION VI.—*Body black. Abdomen sometimes with red bands. Hinder coxæ black.*

13. PIMPLA ALTERNANS. B. M.

Pimpla alternans, *Grav.* iii. 201, 97.

14. PIMPLA SCANICA. B. M.

Pimpla scanica, *Grav.* iii. 204, 98.
Ichneumon plæsseus, *Fourc.* 417, n. 69.
Ichneumon scanicus, *Vill.* 190, n. 174.

15. PIMPLA EXAMINATOR. B. M.

Pimpla examinator, *Grav.* iii. 207, 79.
♀. Ichneumon geniculatus, *Fourc.* 397, n. 13.
♀. Cryptus examinator, *Fab. Piez.* 85, n. 62.
♂. Ichneumon rufescens, *Gmel. Syst. Nat.* 2701, n. 290.

16. PIMPLA BREVICORNIS.

Pimpla brevicornis, *Grav.* iii. 211, 100.

In Mr. Desvignes' collection.

17. PIMPLA ÆTHIOPS. B. M.

Pimpla æthiops, *Curt. Brit. Ent.* v. pl. 214.
Pimpla aterrima, *Grav.* iii. 215, 102.

18. PIMPLA INSTIGATOR. B. M.

Pimpla instigator, *Grav.* iii. 216, 103.
Ichneumon inguinalis, *Fourc.* 397.
♂. Ichneumon resinellæ, *Schrank*, *Faun. Boica*, n. 2126.
Ichneumon illecebrator, *Rossi*, *Mant.* ii. t. vi. f. 1.
Ichneumon instigator, *Panz. ad Schæff.* t 105, f. 5.
♀. Musca bipilis secunda, *Mouffet*, 63.
Ichneumon punctator, *Müll. Prod.* n. 1831.
Ichneumon compunctor, *Fourc.* 395, n. 8.
Ichneumon compunctator, *Schrank*, *Austr.* n. 721.
Ichneumon bisulcus, *Gmel. Syst Nat.* 2698, n. 263.
Cryptus instigator, *Fab. Piez.* 85, n. 61.
Pimpla instigator, *Ratz. Forst. Ins.* 6, f. 1.

Subgenus 19. EPHIALTES.

Ephialtes, *Grav.*

SECTION I.—*Scutellum and thorax black.*

1. EPHIALTES TUBERCULATUS. B. M.

Ephialtes tuberculatus, *Grav.* iii. 228, 105.
Ichneumon tuberculatus, *Fourc.* 395, n. 7. *Vill.* 187, n. 163.
Ichneumon leucopterus, *Gmel. Syst. Nat.* 2699, n. 273.

2. EPHIALTES MANIFESTATOR. B. M.

Ephialtes manifestator, *Grav.* iii. 232, 107.
Ichneumon manifestator, *Linn. Act. Suec.* 1736, 125. *Poda.* 105, 3. *Scop. Carn.* n. 751. *Fab. Ent. Syst.* 336, n. 51. *Fourc.* 394, n. 5. *Marsh. Trans. Linn. Soc.* iii. n. 7625, t. iv.
Ephialtes manifestator, *Ratz. Forst. Ins.* t. vi. f. 6.
Pimpla manifestator, *Fab. Piez.* 113, n. 3.

3. EPHIALTES CARBONARIUS. B. M.

Ephialtes carbonarius, *Grav.* iii. 240, 108.
Ichneumon manifestator, *Grav. Uebers.* n. 3783.
Ichneumon carbonarius, *Christ. Hym.* 365, t. 38, f. 5.

4. EPHIALTES GRACILIS.

Ephialtes gracilis, *Grav.* iii. 245, 109.
Ichneumon gracilis, *Schrank, Faun. Boica*, 2102.

In Mr. Desvignes' collection.

5. EPHIALTES INANIS. B. M.

Ephialtes inanis, *Grav.* iii. 247, 110.
Ichneumon inanis, *Schrank, Faun. Boica*, n. 2107.
Ichneumon Rayellæ, *Schrank, Faun. Boica*, n. 2114.

6. EPHIALTES HECTICUS.

Ephialtes hecticus, *Grav.* iii. 248, 111.

In Mr. Desvignes' collection.

7. EPHIALTES MESOCENTRUS.

Ephialtes mesocentrus, *Grav.* iii. 249, 112.

♂ ♀. In Mr. Desvignes' collection.

♀. Aculeus as long as the body; terebra white; the middle coxæ not spined.

SECTION II.—*Abdomen with pale markings. Prothorax generally red.*

8. EPHIALTES DIVINATOR. B. M.

Ephialtes divinator, *Grav.* iii. 252, 113.
Ichneumon divinator, *Rossi, Faun. Etrus.* ii. n. 776.
Ichneumon Histrio, *Panz. Faun. Germ.* 92, t. 7.

9. EPHIALTES VARIUS. B. M.?

Ephialtes varius, *Grav.* iii. 254, 114.

10. EPHIALTES MEDIATOR. B. M.

Ephialtes mediator, *Grav.* iii. 256, 115.
♀. Ichneumon scurra, *Panz. Faun. Germ.* 92, t. 6.
Pimpla mediator, *Fab. Piez.* 117, n. 23.

11. EPHIALTES RUFICOLLIS, n. s. B. M.

Thorace dorso et pectore rufis vel fulvis. Pedibus fulvis; coxis anterioribus flavis. Abdomine nigro badio; segmentis nigro annulatis. Aculeo longitudine corporis.

Head: face with a silvery pubescence; mouth ferruginous; palpi pale. Antennæ half the length of the body, obscure red towards the base, the apical half much lighter. Mesothorax: scutellum, a line below it and breast red; a dot before the wings reddish yellow. Stigma and base of the wings pale testaceous; areolet triangular or oblique. Legs fulvous or red; the four anterior coxæ yellow; hinder tarsi fuscous. Abdomen linear; first segment quadrate, or nearly so, blackish, punctate; second segment elongate; third to the fifth of equal length, but longer than broad, rufo-piceous, the margins of each shining black, underneath pale yellow. Aculeus very slender, as long as the body; terebra red. Length 5—6 lines.

Subgenus 20. RHYSSA.

Rhyssa, *Grav.*

1. RHYSSA PERSUASORIA. B. M.

Rhyssa persuasoria, *Grav.* iii. 267, 119.
Ichneumon persuasoria, *Linn. Faun. Suec.* n. 1593. *Degeer*, i. t. 36, f. 8. *Sulzer, Gesch.* t. 26, f. 12. *Gmel. Syst. Nat.* 2618, n. 16. *Panz. Faun. Germ.* 19, t. 18.
Pimpla persuasoria, *Fab. Piez.* 112, n. 1. *Step. Mand.* vii. pl. xxxix. f. 1.

Genus 6. METOPIUS.

1. METOPIUS DISSECTORIUS. B. M.

Metopius dissectorius, *Panz. Faun. Ins. Germ.* 98, 14.
Metopius sicarius, *Grav.* iii. 291, 1.

2. METOPIUS MICRATORIUS. B. M.

♂. Metopius micratorius, *Grav.* iii. 299, 3.
♀. Metopius necatorius, *Grav.* iii. 292, 2. *Panz. Revis.* ii. 79.
Crypturus vespoides, *Lamarck*, 142, n. 6.
♂. Ichneumon micratorius, *Fab. Piez.* 62, n. 41.
♂. Peltastes micratorius, *Ill. in Rossi Faun.* ii. 55.
♂. Metopius micratorius, *Trent. in Isis*, 1826, iii. 296.
♂, ♀. Metopius micratorius, *Wesm. Not. Ichn. Belg.* 6.

3. METOPIUS DENTATUS. B. M.

Metopius dentatus, *Grav.* iii. 304, 4.
Peltastes pini, *Curt. Brit. Ent.* i. pl. 4.
Ichneumon dentatus, *Fab. Spec.* 436, n. 99. *Vill.* 200, n. 212.
Pimpla dentata, *Fab. Piez.* 119, n. 30.

Genus 7. BASSUS.

Subgenus 1. BASSUS.

1. BASSUS RUFIVENTRIS. B. M.

Bassus rufiventris, *Grav.* iii. 312, 1.

2. BASSUS ELEGANS. B. M.

Bassus elegans, *Grav.* iii. 313, 2.

3. BASSUS FESTIVUS.

Bassus festivus, *Grav.* iii. 314, 3.
Ichneumon festivus, *Fab. Ent. Syst. Sup.* 230, n. 213.
Ophion festivator, *Fab. Piez.* 140, n. 45.
Ichneumon festivator, *Thunb. Ichn.* n. 273.
In Mr. Desvignes' collection.

4. BASSUS SULCATOR. B. M.

Bassus sulcator, *Grav.* iii. 320, 4.

5. BASSUS SIGNATUS.

Bassus signatus, *Grav.* iii. 325, 6.
In Mr. Desvignes' collection.

6. Bassus exsultans.

Bassus exsultans, *Grav.* iii. 328, 8.

In Mr. Desvignes' collection.

7. Bassus strigator. B. M.

Bassus strigator, *Grav.* iii. 330, 9.
Ichneumon strigator, *Fab. Ent. Syst.* 173, n. 166.
Pimpla strigator, *Fab. Piez.* 117, n. 25.

8. Bassus biguttatus. B. M.

Bassus biguttatus, *Grav.* iii. 332, 10.

9. Bassus pectoratorius. B. M.

Bassus pectoratorius, *Grav.* iii. 333, 11.

10. Bassus pictus. B. M.

Bassus pictus, *Grav.* iii. 336, 13.

11. Bassus rufipes. B. M.?

Bassus rufipes, *Grav.* iii. 337, 14.

12. Bassus flavolineatus. B. M.

Bassus flavolineatus, *Grav.* iii. 337, 14 b.

13. Bassus ornatus. B. M.?

Bassus ornatus, *Grav.* iii. 341, 18.

14. Bassus lateralis. B. M.

Bassus lateralis, *Grav.* iii. 342, 19.

15. Bassus albosignatus. B. M.

Bassus albosignatus, *Grav.* iii. 343, 20. *Ratz. Forst. Ins.* 7, f. 7. ♀. Bassus lætatorius, *Panz. Faun. Ins. Germ.* f. 100, 14; 102, 18.

16. Bassus insignis. B. M.

Bassus insignis, *Grav.* iii. 349, 22.

17. Bassus bizonarius.

Bassus bizonarius, *Grav.* iii. 350, 23.

In Mr. Desvignes' collection.

18. Bassus lætatorius. B. M.

Bassus lætatorius, *Panz. Krit. Revis.* 74.

Ichneumon lætatorius, *Fab. Spec.* 424, n. 26. *Gmel. Syst. Nat.* 2682, n. 99. *Vill.* 150, n. 46. *Oliv.* 173, n. 47.

Crypturus lætatorius, *Lamarck*, 141, n. 4.

Anomalon lætatorius, *Trent. in Isid.* 1826, iii. 298, *Curt. Brit. Ent.* after pl. 198.

19. Bassus compressus, n. s.

Fœm. *Niger. Abdomine segmentis 3 et reliquis multo compressis. Pedibus fulvis; coxis fulvis interdum fusco-ferrugineis.*

Head: mouth pale; a small central yellow spot below the antennæ. Antennæ half the length of the body, filiform. Thorax as broad as the head, very convex; a yellow dot before the wings. Wings smoky hyaline; stigma and costa testaceous; scales paler; discoidal cellule oblong, sessile. Legs pale fulvous; coxæ darker, sometimes fusco-ferruginous. Abdomen: first segment equilateral-opaque, narrower than the thorax; from the apex of the second, and the remainder, much compressed. Aculeus very short, recurved. Length $2\frac{3}{4}$—3 lines.

Subgenus 2. ORTHOCENTRUS.

Orthocentrus, *Grav.*

1. Orthocentrus anomalus. B. M.

Orthocentrus anomalus, *Grav.* iii. 360, 27.

2. Orthocentrus incisus. B. M.

Orthocentrus incisus, *Grav.* iii. 361, 28.

3. Orthocentrus larius.

Orthocentrus larius, *Hal. Curt. Cat.* col. 109.

In Mr. Curtis's collection.

Subgenus 3. EUCEROS.

Euceros, *Grav.*

1. EUCEROS CRASSICORNIS. B. M.

Euceros crassicornis, *Grav.* iii. 370, 35. *Shuckard, Transl. of Burmeister's Manual of Entom.* frontispiece, f. 2.

2. EUCEROS SERRICORNIS.

Euceros serricornis, *Hal.*

In Mr. Haliday's collection.

3. EUCEROS ALBITARSUS.

Euceros albitarsus, *Curt. Brit. Ent.* xiv. pl. 660.

♂. In Mr. Curtis's collection.
♀. In Mr. Desvignes' collection.

Genus 8. BANCHUS.

Subgenus 1. BANCHUS.

Banchus, *Fab.*

1. BANCHUS COMPRESSUS. B. M.

Banchus compressus, *Grav.* iii. 377, 2.
Ichneumon variegator, *Fab. Syst. Ent.* 339, n. 66. *Vill.* 178, n. 130. *Gmel. Syst. Nat.* 2694, n. 157.
Banchus variegator, *Fab. Ent. Syst. Sup.* 234, n. 4. *Panz. ad Schæff. Icon.* t. 130, f. 4.
♀. Ichneumon compressus, *Fab. Ent. Syst.* ii. 180, n. 195.
Banchus compressus, *Fab. Piez.* 129, n. 11.

2. BANCHUS PICTUS. B. M.

Banchus pictus, *Fab. Ent. Syst. Sup* 234, n. 7. *Grav.* iii. 380, 3.
Ichneumon cultratus, *Gmel. Syst. Nat.* 2708, n. 350.
Ichneumon vaginatorius, *Schrank, Austr.* n. 705.
Ichneumon volutatorius, *Linn. Syst. Nat.* xii. 932, n. 14. *Vill.* 145, n. 32. *Oliv.* 170, n. 33.
Ichneumon mutillatus, *Christ. Ins.* t. 37, f. 4.
Ichneumon pictus, *Latr. Hist. Nat. Crust. et Ins.* xiii. 183, n. 17.

3. BANCHUS FALCATOR. B.M.

Banchus falcator, *Grav.* iii. 385, 4.
♀. Ichneumon falcatorius, *Fab. Syst.* 332, n. 29. *Ent.* ii. 148, 59. *Vill.* 151, n. 48. *Gmel. Syst. Nat.* 2682, n. 100. *Christ. Hym.* 340.
♀. Ichneumon volutatorius, *Strœm. Frond. Selsk. Skrift.* iii. 419.
Banchus falcator, *Fab. Piez.* 128, n. 6.
Banchus falcatorius, *Walck.* 71, n. 5.
Banchus pictus, *Panz. Faun. Ins. Germ.* fasc. 71, t. 18.
Banchus Farrani, *Curt. Brit. Ent.* xiii. pl. 588.
♂. Ichneumon umbellatarum, *Schrank, Reis.* 261. *Gmel. Syst. Nat.* 2677, n. 85.
Ichneumon aries, *Christ. Hym.* 339.
Ichneumon venator, *Fab. Ent. Syst.* 168, n. 143. *Thunb. Ich.* 284.
Banchus venator, *Fab. Piez.* 126.
Ichneumon labiatus, *Schrank, Faun. Boic.* n, 2058.
Ichneumon vigilatorius, *Panz. ad Schæff.* t. 61, f. 6.

4. BANCHUS MONILEATUS. B.M.

Banchus monileatus, *Grav.* iii. 393, 5.

Note.—The males of *B. pictus* and *B. falcator*, described by Gravenhorst, are the females, and *vice versâ*.

Subgenus 2. EXETASTES.

Exetastes, *Grav.*

1. EXETASTES FORNICATOR. B. M.

Exetastes fornicator, *Grav.* iii. 402, 10.
Ichneumon fornicator, *Fab. Spec.* 432, n. 72. *Vill.* 176, n. 124. *Ceder.* 161, n. 496.
Banchus fornicator, *Fab. Piez.* 127, n. 3.

2. EXETASTES CALOBATUS. B. M.

Exetastes calobatus, *Grav.* iii. 405, 10 b.

3. EXETASTES CLAVATOR. B. M.

Exetastes clavator, *Grav.* iii. 405, 11.
Ichneumon cinctipes, *Retz.* n. 269.
Ichneumon clavator, *Fab. Ent. Syst.* 151, n. 74.
Ophion clavator, *Fab. Piez.* 134, n. 17.
Ophion tarsator, *Fab. Piez.* 134, n. 20.

4. EXETASTES FEMORATOR, n. s.

Mas et fœm. *Abdomine rufo; basi et apice nigro, femoribus posticis rufis; anterioribus nigris; cellulæ interioris rudimentum, nervi dividentis fere usque ad medium productum.*

Head black, rather broader than the thorax. Antennæ setaceous, more than half the length of the body. Base of the wings black; stigma pitchy black; the divisional nervure of the interior cell extending nearly to the middle. Legs black; hinder thighs red; the anterior tibiæ and tarsi, also the apex of the femora, fuscous within; of the male rufous. Abdomen longer than the head and thorax; smooth and glossy, from the first to the fourth segments red; the base of the first to the lateral tubercles, and the remainder, black; the ventral segments of the female from the fourth produced, somewhat compressed. Aculeus one line in length. Length 5 lines.

In Mr. Desvignes' collection.

5. EXETASTES GUTTATORIUS. B. M.

Exetastes guttatorius, *Grav.* iii. 411, 14.

6. EXETASTES OSCULATORIUS. B. M.

Exetastes osculatorius, *Grav.* iii. 413, 15.
Ichneumon osculatorius, *Fab. Mant.* 261, n. 20. *Vill.* 151, n. 50. *Gmel. Syst. Nat.* 2680, n. 92. *Walck.* 53, n. 22.

7. EXETASTES LÆVIGATOR. B. M.

Exetastes lævigator, *Grav.* iii. 424, 23.
Ichneumon lævigator, *Vill.* 193, n. 189. *Oliv.* 216, n. 55.
Ichneumon cothurnatus, *Grav. Uebers.* n. 3742.

8. EXETASTES ILLUSOR.

Exetastes illusor, *Grav.* iii. 427, 25.

In Mr. Desvignes' collection.

9. EXETASTES GRACILICORNIS. B. M.

Exetastes gracilicornis, *Grav.* iii. 429, 26.

10. EXETASTES ALBITARSUS. B. M.

Exetastes albitarsus, *Grav.* iii. 430, 27.

11. EXETASTES MAURUS, n. s. B. M.

Niger ; pedibus gracilibus tibiis anticis fuscis.

Black. Head: mouth pitchy or dark ferruginous. Antennæ slender, nearly the length of the body. Wings: stigma fuscous; areolet subsessile. Thorax gibbous; metathorax scabrous, with two longitudinal rough edges. Legs slender; first pair of tibiæ and the apical half of femora fuscous; second pair darker; also the apex of the femora; hinder legs and all the tarsi entirely black. Abdomen narrower than the thorax; first segment about one-third its breadth; the lateral tubercles placed a little before the middle; the terminal ventral segments descending and compressed. Aculeus about the fifth part of the length of the abdomen. Length 6½—7 lines.

12. EXETASTES FACIALIS, n. s.

Mas. *Facie flavâ, femoribus tibiisque anterioribus testaceis. Pedibus posticis nigris aut obscure nigro badiis.*

Head: face yellow, interrupted by a central abbreviated black line; apex of the mandibles pitchy black. Antennæ very slender, as long as the body, recurved at the apex. Metathorax opaque. Scutellum white. Wings: stigma and scales testaceous; areolet large, triangular or subsessile. Legs: first pair of the coxæ yellow; second pair black above, yellow beneath; the hinder ones black; the four anterior legs pale testaceous; the posterior ones nearly black. Abdomen narrow; first segment subpetiolated; the lateral tubercles placed a little before the middle; second segment very little broader than the first; the remainder narrowing to the apex. Length 5½ lines.

In Mr. Desvignes' collection.

Subgenus 3. AROTES.

Arotes, *Grav.*

1. AROTES ALBICINCTUS. B. M.

Arotes albicinctus, *Grav.* iii. 448, 34. *Step. Mand.* v. 7, pl. xxxvi. f. 4.

Subgenus 4. MACROCOLEUS.

Macrocoleus, *Desv. Ent. Trans. N. S.*, i. 12.

1. MACROCOLEUS CROCEICORNIS.

Macrocoleus croceicornis, *Desv.*
Macrus croceicornis, *Grav.* iii. 710, 146.
In Mr. Desvignes' collection. (Mr. Doubleday).

Genus 9. OPHION.

Subgenus 1. CAMPOPLEX.

Campoplex, *Grav.*

SECTION I.—*Abdomen and antennæ black.*

1. CAMPOPLEX DIFFORMIS. B. M.

Campoplex difformis, *Grav.* iii. 458, 1.
Ichneumon difformis, *Gmel. Syst. Nat.* 2720, n. 32.

2. CAMPOPLEX RUFIPES. B. M.

Campoplex rufipes, *Grav.* iii. 461, 3.

3. CAMPOPLEX MAJALIS. B. M.

Campoplex majalis, *Grav.* iii. 462, 4.

4. CAMPOPLEX SORDIDUS. B. M.

Campoplex sordidus, *Grav.* iii. 466, 5.

5. CAMPOPLEX LATERALIS. B. M.

Campoplex lateralis, *Grav.* iii. 467, 6.

6. CAMPOPLEX TIBIALIS. B. M.

Campoplex tibialis, *Grav.* iii. 468, 7.

7. CAMPOPLEX NANUS. B. M.

Campoplex nanus, *Grav.* iii. 469, 8.

8. CAMPOPLEX CEROPHAGUS. B. M.
Campoplex cerophagus, *Grav.* iii. 470, 9.

9. CAMPOPLEX SENICULUS. B. M.
Campoplex seniculus, *Grav.* iii. 473, 11.
In Mr. Desvignes' collection.

10. CAMPOPLEX ALBIDUS. B. M.
Campoplex albidus, *Grav.* iii. 474, 13.
Ichneumon albidus, *Gmel. Syst. Nat.* 2705, n. 332 a.

11. CAMPOPLEX VIENNENSIS.
Campoplex viennensis, *Grav.* iii. 478, 14.
In Mr. Curtis's collection.

12. CAMPOPLEX ARVENSIS.
Campoplex arvensis, *Grav.* iii. 488, 20.
In Mr. Desvignes' collection.

13. CAMPOPLEX ANOMOLUS.
Campoplex anomolus, *Grav.* iii. 490, 22.
In Mr. Desvignes' collection.

14. CAMPOPLEX GENICULATUS.
Campoplex geniculatus, *Grav.* iii. 486, 19.
In Mr. Desvignes' collection.

15. CAMPOPLEX EXIGUUS.
Campoplex exiguus, *Grav.* iii. 499, 30.
In Mr. Desvignes' collection.

16. CAMPOPLEX PLACIDUS, n. s. B. M.
Mas et fœm. *Abdomine subcompresso. Pedibus rufis; coxis nigris.* (*Aculeo perbrevi*).

Head: mouth pale; in the female pale ferruginous. Antennæ rather slender, half the length of the body, subfiliform. Thorax gibbous. Wings ample; stigma and scales pale; costa darker; areolet rather large, triangular, petiolated. Legs rufo-fulvous; coxæ black; first pair rufescent at the apex; the base of the tibiæ in the female indistinctly white; hinder tarsi from the second joint ferruginous. Abdomen: first segment much dilated and convex at the apex; the remainder depressed, seen sideways somewhat compressed; terminal segments with a close white pubescence. Aculeus half a line in length. Length 3—3¼ lines.

17. Campoplex Henaultii, n. s. B. M.

Tibiis et coxis anticis flavis, illis posticis basi et apice nigris, femoribus posticis nigris, mediis supra flavo-fulvis, infra lineâ nigra. Aculeo abscondito aut subexerto.

Head: mouth and palpi pale. Antennæ two-thirds the length of the body, recurved at the apex; apex of the first joint, beneath, obscurely ferruginous in some specimens. Thorax gibbous. Wings hyaline; stigma and costa dark; scales flavescent; areolet small, oblique; petiole forming half the length of the nervure. Legs: first pair pale yellow; second coxæ black; femora above reddish yellow, a black line beneath; hinder pair, coxæ and femora black; tibiæ with a broad pale yellow ring; hinder tarsi somewhat ferruginous. Abdomen: first segment smooth and convex at the apex; second long-obconical; the remainder tapering to the apex, covered with a hoary down, the whole seen laterally compressed. Aculeus very short, scarcely subexserted. Length 3½—4 lines.

Section II.—*Abdomen black; first joint of the antennæ beneath pale or fulvous.*

18. Campoplex orbitalis. B. M.

Campoplex orbitalis, *Grav.* iii. 510, 39.

19. Campoplex gracilis.

Campoplex gracilis, *Grav.* iii. 511, 40.

In Mr. Desvignes' collection.

20. CAMPOPLEX ARMILLATUS.

Campoplex armillatus, *Grav.* iii. 514, 42.

In Mr. Desvignes' collection.

21. CAMPOPLEX FAUNUS.

Campoplex faunus, *Grav.* iii. 517, 45.

In Mr. Desvignes' collection.

22. CAMPOPLEX TRANSFUGA. B. M.

Campoplex transfuga, *Grav.* iii. 521, 48.

23. CAMPOPLEX CHRYSOSTICTUS.

Campoplex chrysostictus, *Grav.* iii. 522, 49.
Ichneumon chrysostictus, *Gmel. Syst. Nat.* 2721, n. 407 (*Var.* 4).

In Mr. Desvignes' collection.

24. CAMPOPLEX APOSTATA.

Campoplex apostata, *Grav.* iii. 510, 38.

In Mr. Desvignes' collection.

25. CAMPOPLEX FLAVIVENTRIS. B. M.

Campoplex flaviventris, *Ratz. Forst. Ins.* ii. 84.

From *Coccyx strobilana.*

26. CAMPOPLEX MYRTILLUS, n. s.

Pedibus anterioribus flavis; coxis et femoribus posticis nigris; tibiis annulo flavo-albo.

Head: face with a strong silvery pubescence; mouth and palpi pale; apex of the mandibles ferruginous. Antennæ nearly as long as the body, curved at the apex; first joint beneath pale. Thorax gibbous. Scutellum prominent. Wings: stigma testaceous; the base and scales pale; costa pitchy; areolet large, triangular. Anterior legs pale yellow; hinder coxæ and femora black; apex of the trochanters yellow; base and apex of the tibiæ black, between yellow; tarsi pale; apex of the first and second joints dark; nails of all pitchy ferruginous. Abdomen: first segment at the apex oval,

convex; the remainder of equal breadth, subcompressed. Length 5 lines.

Reared from *Anarta Myrtilli*.

SECTION III.—*Abdomen red and black; first joint of the antennæ beneath pale.*

27. CAMPOPLEX BICINGULATUS. B. M.

Campoplex bicingulatus, *Grav.* iii. 527, 50.

28. CAMPOPLEX MULTICINCTUS. B. M.

Campoplex multicinctus, *Grav.* iii. 534, 57.

29. CAMPOPLEX FULVIVENTRIS. B. M.

Campoplex fulviventris, *Grav.* iii. 540, 62.
Ichneumon fulviventris, *Gmel. Syst. Nat.* 2704, n. 319.

30. CAMPOPLEX ARGENTATUS.

Campoplex argentatus, *Grav.* iii. 543, 64. *Ratz. Forst. Ins.* 7, f. 3.

In Mr. Desvignes' collection.

31. CAMPOPLEX LONGIPES. B. M.

Campoplex longipes, *Grav.* iii. 546, 65.
Ichneumon longipes, *Müll. Prod.* n. 1847.
Ichneumon canescens, *Gmel. Syst. Nat.* 2703, n. 308.

32. CAMPOPLEX RUFIVENTRIS.

Campoplex rufiventris, *Grav.* iii. 552, 69.

In Mr. Desvignes' collection.

33. CAMPOPLEX TOMENTOSUS, n. s.

Fœm. *Corpore toto sericeo; segmentis* 1—3 *fulvis. Pedibus anterioribus flavo-fulvis; coxis et trochanteribus nigris; femoribus posticis nigris; tarsis et tibiis apice fuscescentibus. Aculeo breve et crasso, sursum curvato.*

Head: mouth and mandibles pale; apex of the latter pitchy; a yellow spot between the eyes on the vertex. Antennæ filiform,

ferruginous; the first joint black above. Thorax somewhat gibbous. Base of the wings and costa pale testaceous; stigma fuscous; areolet petiolated, suborbicular. Legs: coxæ black; the four anterior legs pale testaceous; hinder femora black; apex of the tibiæ and tarsi fuscous. Abdomen: first segment dilated at the apex, fulvous or pale chestnut-red; petiole black; second and third segments also pale chestnut-red; the latter with a transverse fuscous band near the apex; the remainder black, subcompressed. Aculeus short and stout, recurved. The body and legs of this insect are entirely covered with a hoary pubescence.

Note.—The first segment is more depressed at the apex than in most insects of this genus.

SECTION IV. — *Abdomen red or red and black. Antennæ black, occasionally, beneath red.*

34. CAMPOPLEX PUGILLATOR. B. M.

Campoplex pugillator, *Grav.* iii. 606, 102
Ichneumon pugillator, *Linn. Faun. Suec.* n. 1624. *Fuessl. Helv.* 49, n. 962. *Gmel. Syst. Nat.* 2695, n. 50. *Rossi*, n. 773. *Cederh.* 162, n. 503.
Ichneumon occisor, *Gmel. Syst. Nat.* 2697, n. 167. *Oliv.* 221, n. 91.
Ichneumon cantator, *Retz.* 68, n. 272.
Ichneumon subfalcatus, *Gmel. Syst. Nat.* 2701, n. 293.
Ichneumon nidulator, *Thunb.* n. 277.
Ophion nidulator, *Panz. Faun.* fasc. 100, t. 15.
Ophion falcator, *Fab. Piez.* 136, n. 28.
Ichneumon, *Degeer, Ins.* vii. 594, t. 44, f. 7.

35. CAMPOPLEX MIXTUS. B. M.

Campoplex mixtus, *Grav.* iii. 601, 101.
Ichneumon mixtus, *Pollich. Nov. Act. Nat. Cur.* vii. 140. *Schrank, Faun. Boic.* n. 2089.
Ichneumon compressus, *Christ.* 369, t. 39, f. 2.
Ichneumon surratus, *Sulzer, Gesch.* 190, t. 26, f. 15. *Schrank, Austr.* n. 729. *Gmel. Syst. Nat.* 2697, n. 166. *Vill.* 182, n. 143.
Ichneumon mercator, *Fab. Ent. Syst.* 176, n. 177.
Ophion mercator, *Fab. Piez.* 139, n. 42.
Ichneumon, *Degeer*, i. 74, 573, t. 6, f. 11, 12.

36. CAMPOPLEX CULTRATOR. B. M.
Campoplex cultrator, *Grav.* iii. 616, 103.

37. CAMPOPLEX MŒSTUS.
Campoplex mœstus, *Grav.* iii. 599, 99 b.
In Mr. Desvignes' collection.

38. CAMPOPLEX DECIPIENS.
Campoplex decipiens, *Grav.* iii. 596, 97.
In Mr. Desvignes' collection.

39. CAMPOPLEX RUFIMANUS. B. M.
Campoplex rufimanus, *Grav.* iii. 597, 98.

40. CAMPOPLEX PERFIDUS.
Campoplex perfidus, *Grav.* iii. 595, 96.
In Mr. Desvignes' collection.

41. CAMPOPLEX DECLINATOR.
Campoplex declinator, *Grav.* iii. 589, 92.
In Mr. Desvignes' collection.

42. CAMPOPLEX ZONATUS.
Campoplex zonatus, *Grav.* iii. 584, 89.
In Mr. Desvignes' collection.

43. CAMPOPLEX RUFICINCTUS. B. M.
Campoplex ruficinctus, *Grav.* iii. 580, 87.

44. CAMPOPLEX ENSATOR. B. M.
Campoplex ensator, *Grav.* iii. 576, 85.

Subgenus 2. PANISCUS.

1. Paniscus virgatus. B. M.

Paniscus virgatus, *Grav.* iii. 625, 106.
Ichneumon virgatus, *Fourc.* 401, n. 25. *Vill.* 204, n. 228.
Ichneumon circailices, *Geoffr.* 332.

2. Paniscus testaceus. B. M.

Paniscus testaceus, *Grav.* iii. 627, 107.
Ichneumon luteus, *Scharf.* iii. 964, n. 18.
Ichneumon, *Reaumur*, vi. 310, t. 30, f. 9—12.

3. Paniscus inquinatus. B. M.

Paniscus inquinatus, *Grav.* iii. 631, 107 b.

4. Paniscus glaucopterus. B. M.

Paniscus glaucopterus, *Grav.* iii. 632, 108.
Ichneumon glaucopterus, *Linn. Faun. Suec.* n. 1630. *Fab. Ent. Syst.* 341, n. 79. *Müll. Prod.* 159, n. 1845. *Schrank, Faun. Boic.* 2055. *Rossi, Faun.* n. 786. *Oliv.* 196, n. 163. *Latr. Crust.* xiii. 184, n. 19. *Thunb. Ichn.* n. 227.
Ophion glaucopterus, *Fab. Piez.* 133, n. 14. *Walck.* 72, n. 2. *Panz. ad Schæff. Icon.* t. 82, f. 3.

Subgenus 3. ANOMALON.

Anomalon, *Grav.*
Therion, *Curtis.*
Trichomma, *Wesm.*

Section I.—*Scutellum yellow.*

1. Anomalon enecator. B. M.

Anomalon enecator, *Grav.* iii. 641, 110.
Ichneumon enecator, *Rossi, Faun.* n. 777.
Trichomma enecator, *Wesm. Rev. d. Anom. de Belge* (1849), 25.

2. ANOMALON FULVIDENS.

Anomalon fulvidens, *Wesm. Rev. d. Anom. de Belge* (1849), 26.
Trichomma fulvidens, *Wesm. Rev. d. Anom. de Belge* (1849), 26.

In Mr. Desvignes' collection.

3. ANOMALON CIRCUMFLEXUM. B. M.

Anomalon circumflexum, *Grav.* iii. 643, 112. *Ratz. Forst. Ins.* 6, f. 2.
Ichneumon circumflexus, *Linn. Faun. Suec.* n. 1631. *Fab. Syst. Ent.* 341, n. 80. *Ent. Syst.* ii. 181, n. 199. *Müll. Prod.* n. 1846. *Gmel. Syst. Nat.* 2710, n. 59. *Vill.* 199, n. 209. *Thunb. Ichn.* n. 503.
Subgenus Exochilum, *Wesm. Rev. d. Anom. de Belge*, 10.

SECTION II.—*Scutellum black, occasionally red.* (Anomalon arquatum and A. flaveolatum, *var*.)

4. ANOMALON AMICTUM. B. M.

Anomalon amictum, *Grav.* iii. 650, 114.
Ichneumon amictus, *Fab. Syst. Ent.* 341, n. 78. *Ent. Syst.* ii. 181, n. 197. *Gmel. Syst. Nat.* 2710, n. 183. *Vill.* 200, n. 213. *Christ.* 361. *Oliv.* 196, n. 162.
Ophion amictus, *Fab. Piez.* 133, n. 11.
Subgenus Schizoloma, *Wesm. Rev. d. Anom. de Belge*, 8.

5. ANOMALON CAPITATUM, n. s.

Mas. *Capite permagno transverso; segmentorum* 1 *et* 2 *dorso nigro. Pedibus crassioribus quam in reliquis speciebus huic affinibus; articulis* 1 *et* 2 *tarsorum posticorum inflatis;* 4*o minutissimo; facie flavâ, antennis dilute rufis, apice croceis.*

Head very large, transverse; face hairy; a vertical spot and a portion of the outer orbits of the eyes yellow; mouth and a spot on each side of the mandibles ferruginous; cheeks swollen. Antennæ more than half the length of the body, clear red; the basal joint and apical ones ochreous; from the first to the third joints with a lateral black streak. Thorax gibbous, deeply punctate; metathorax with distinct transverse impressed lines; the whole with a reddish or

fulvous-yellow pubescence. Wings yellowish hyaline; stigma and base fulvous; costa and squamula ferruginous or pitchy. Anterior legs yellow; hinder coxæ black at the base and yellow at the apex; above black, apex red; hinder femora clear red; tibiæ paler; the apical half black; first and second joints of the tarsi broader than the apex of the tibiæ, much inflated, yellow; second joint beneath hollow, with a central ridge; the fourth joint less than half the length of the third. Abdomen red, pitchy at the apex; a dorsal black line on the first and second segments. Length 10—11 lines.

In Mr. Desvignes' collection. (Yorkshire).

6. ANOMALON MIRABILE, n. s.

Mas. *Abdomine rufo; segmento secundo, dorso nigro apice rufo. Ore facie et genis flavis. Alarum nervo secundo recurrente cum nervo, cellulas cubitales sejungente coincidente. Pedibus anterioribus flavis, posticis rufis tarsis flavis tibiarum apice nigro.*

Head: face, mouth and cheeks yellow. Antennæ rufo-fulvous; first and second joints, above, black at the base, eight lines in length. Thorax covered with a white pubescence; a yellowish somewhat elevated line on the sides of the metathorax, above the base of the wings; all the sutures and frænum tinged with dirty; white. Wings yellowish hyaline; stigma long and very narrow; scales fuscous-yellow; first and second recurrent nervures forming but one continued line. Anterior legs yellow; hinder coxæ, femora and tibiæ rufous; one-third part of the latter from the apex black or obscure fuscous; tarsi yellow or fulvous. Abdomen rufous; second segment with a dorsal black line not quite extending to the apex. Length 14 lines.

In Mr. Desvignes' collection.

7. ANOMALON XANTHOPUS. B. M.

Anomalon xanthopus, *Grav.* iii. 652, 116.
Ichneumon xanthopus, *Schrank, Austr.* 749. *Gmel. Syst. Nat.* 2711, n. 188. *Vill.* 201, n. 216.
Ophion xanthopus, *Fab. Piez.* 133, n. 13.

8. ANOMALON RUFICORNE. B. M.

Anomalon ruficorne, *Grav.* iii. 655, 116 b.

9. ANOMALON CERINOPS. B. M.

Anomalon cerinops, *Grav.* iii. 658, 118.
Ophion flavifrons, *Grav. Uebers.* n. 3790. (nec *Fabr.*)

10. ANOMALON MELANOBATUM.

Anomalon melanobatum, *Grav.* iii. 662, 120.
In Mr. Desvignes' collection.

11. ANOMALON FLAVEOLATUM. B. M.

Anomalon flaveolatum, *Grav.* iii. 664, 122.

12. ANOMALON CLANDESTINUM. B. M.

Anomalon clandestinum, *Grav.* iii. 670, 124.

13. ANOMALON TENUICORNE. B. M.

Anomalon tenuicorne, *Grav.* iii. 671, 125.

14. ANOMALON LATRO.

Anomalon latro, *Grav.* iii. 677, 128.
Ichneumon latro, *Schrank, Austr.* 726.
In Mr. Desvignes' collection.

15. ANOMALON FIBULATOR. B. M.

Anomalon fibulator, *Grav.* iii. 681, 131.

16. ANOMALON PERSPICILLATOR.

Anomalon perspicillator, *Grav.* iii. 683, 132.
In Mr. Desvignes' collection.

17. ANOMALON TENUITARSUM. B. M.

Anomalon tenuitarsum, *Grav.* iii. 683, 133.

18. ANOMALON INTERRUPTUM, n. s.

Mas. *Abdomine mediocri; segmentis* 1—3 *rufo-castaneis; basi nigris; alis brevibus; pectore et coxis anterioribus flavis; posticis castaneis; basi et trochanteribus nigris.*

Face yellow. Antennæ half the length of the body, above ferruginous, beneath castaneous; first joint at the base with a black ring. Thorax: breast, before the first pair and between the second pair coxæ, yellow, or with two large spots of the same colour. Wings shortish; costa, stigma and scales, yellowish orange. Anterior legs fulvous; coxæ and trochanters yellow; hinder coxæ chestnut; the base and trochanters black; apex of the latter fulvous; femora, tibiæ and tarsi, all chestnut; the apex of the tibiæ black. Abdomen rather broad; from the first to the third segments subcylindrical, reddish chestnut; the base of each and the remainder black. Aculeus exserted, short.

In Mr. Desvignes' collection.

Subgenus 4. OPHION.

Ophion, *Fabr.*

1. Ophion obscurus. B. M.

Ophion obscurus, *Grav.* iii. 689, 135.
Ichneumon luteus, *Schrank, Austr.* n. 750. *Oliv.* 196, n. 156.
Var. Ichneumon obscuratus, *Fab. Ent. Syst. Supp.* 237.

2. Ophion luteus. B. M.

Ophion luteus, *Grav.* iii. 692, 136.
Ichneumon luteus, *Linn. Faun. Suec.* n. 1628. *Müll. Faun. Friedr.* n. 620. *Fabr. Syst. Ent.* 341, n. 75. *Müll. Prod.* n. 1843. *Fourc.* 400, n. 21. *Gmel. Syst. Nat.* 2706, n. 55.
Ophion luteus, *Fab. Piez.* 130, n. 1. *Panz. ad Schæff.* t. 1, f. 10.
Ichneumon fulvus, *Retz.* n, 271.
Ichneumon Vinulæ, *Scop. Carn.* n. 755. *Christ.* 367. *Albin.* t. xi. *Gœdart*, ii. 163, t. 37. *Degeer*, ii. t. 29, f. 15, 26.

Note. — This insect appears to inhabit New Holland and New Zealand, according to Fabricius and Christius; America also; but its size there is 15 lines, while in Europe it is seldom more than half that length; though very similar, may they not be distinct species? The *O. luteus* of Gravenhorst is exceedingly common in this country.

3. Ophion undulatus.

Ophion undulatus, *Grav.* iii. 697, 137.

♂. In Mr. Westwood's collection.
♀. In Mr. Desvignes' collection.

4. OPHION MERDARIUS. B. M.

Ophion merdarius, *Grav.* iii. 698, 138. *Ratz. Forst. Ins.* pl. vi. f. 8. *Step. Mand.* pl. xl. f. 4.

Subgenus Enicospillus, *Step. Nomen.* 2nd edit.

5. OPHION RAMIDULUS. B. M.

Ophion ramidulus, *Grav.* iii. 699, 139.
Ichneumon ramidulus, *Linn. Faun. Suec.* n. 1629. *Fab. Ent. Syst.* ii. 178, n. 187. *Müll. Prod.* n. 1844. *Schrank, Austr.* n. 751. *Gmel. Syst. Nat.* 2710, n. 56. *Vill.* 198, 207. *Oliv.* 199, n. 173. *Thunb. Ichn.* n. 224.
Ophion ramidulus, *Fab. Piez.* 131, n. 2.
Ichneumon truncatus, *Christ.* 365.

Subgenus Enicospillus, *Step. Nomen.* 2nd edit.

6. OPHION COMBUSTUS. B .M.

Ophion combustus, *Grav.* iii. 701, 140.

Subgenus Enicospillus, *Step. Mand.* 2nd edit.

7. OPHION VENTRICOSUS. B. M.

Ophion ventricosus, *Grav.* iii. 702, 141. *Curt. Brit. Ent.* pl. 600.
Ophion ramidulus, *Grav. Uebers.* n. 3789. (Olim nec I. r., *Linn.*)

8. OPHION MARGINATUS. B. M.

Ophion marginatus, *Grav.* iii. 704, 142.
Anomalon marginatus, *Jurine*, t. 8, f. 4.

9. OPHION BOMBYCIVORUS.

Ophion bombycivorus, *Grav.* iii. 705, 143.

In Mr. Desvignes' collection.

Reared by Mr. B. Standish from *Stauropus Fagi.*

Subgenus 5. TRACHYNOTUS.

Trachynotus, *Grav.*

1. TRACHYNOTUS FOLIATOR. B. M.

Trachynotus foliator, *Grav.* iii. 715, 148.

Ichneumon cruentatus, *Fourc.* 418, n. 72.
Ichneumon petiolatus, *Fourc.* 396, n. 9.
Ophion foliator, *Fab. Ent. Syst. Sup.* 239, n. 21.
Bassus foliator, *Fab. Piez.* 100, n. 29.

Subgenus 6. PACHYMERUS.

Pachymerus, *Grav.*

1. PACHYMERUS CALCITRATOR. B. M.

Pachymerus calcitrator, *Grav.* iii. 727, 150.
Ichneumon coxator, *Vill.* 193, n. 190. *Oliv.* 216, n. 56.
Bassus calcitrator, *Grav. Uebers.* n. 3780.

Subgenus 7. PRISTOMERUS.

Pristomerus, *Curt. Brit. Ent.* 624 b.

1. PRISTOMERUS VULNERATOR. B. M.

Pachymerus vulnerator, *Grav.* iii. 724, 149.
Ichneumon vulnerator, *Panz. Faun. Ins. Germ.* fasc. 72, t. 5.
Ophion vulnerator, *Grav. Uebers.* n. 3793.

Note.—The oral parts of the genus *Pachymerus*, Grav., are appended to his description of *P. vulnerator*, but they evidently belong to his *P. calcitrator;* the fourth joint of the labial palpi in the latter being obtuse, but linear in *P. vulnerator.*

Subgenus 8. CREMASTUS.

Cremastus, *Grav.*

SECTION I.—*Scutellum pale.*

1. CREMASTUS INTERRUPTOR.

Cremastus interruptor, *Grav.* iii. 736, 153.

In Mr. Desvignes' collection.

2. Cremastus Buolianus.
Cremastus Buoliana, *Curt. Trans. Ent. Soc.* n. s. iii. 60.
In Mr. Curtis's collection.

Section II.—*Scutellum black.*

3. Cremastus spectator.
Cremastus spectator, *Grav.* iii. 740, 155.
In Mr. Curtis's collection.

4. Cremastus bellicosus.
Cremastus bellicosus, *Grav.* iii. 741, 157.
In Mr. Curtis's and Mr. Desvignes' collections.

5. Cremastus infirmus.
Cremastus infirmus, *Grav.* iii. 746, 160.
In Mr. Desvignes' collection.

Subgenus 9. PORIZON.

Porizon, *Grav.*

Section I.—*Abdomen black and red.*

1. Porizon hostilis. B. M.
Porizon hostilis, *Grav.* iii. 753, 161.

2. Porizon harpurus. B. M.
Porizon harpurus, *Grav.* iii. 758, 164.

3. Porizon gravipes.
Porizon gravipes, *Grav.* iii. 757, 163.
In Mr. Desvignes' collection.

4. Porizon nutritor.
Porizon nutritor, *Grav.* iii. 762, 165.
Ophion nutritor, *Fab. Piez.* 139, n. 39.
In Mr. Desvignes' collection.

5. PORIZON MINATOR. B. M.

Porizon minator, *Grav.* iii. 768, 169.

6. PORIZON JOCATOR. B. M.

Porizon jocator, *Grav.* iii. 769, 170.
Ichneumon jocator, *Fab. Ent. Syst.* ii. 175, n. 175.
Ophion jocator, *Fab. Piez.* 130, n. 40.

SECTION II.—*Abdomen black.*

7. PORIZON BOOPS. B. M.

Porizon Boops, *Grav.* iii. 776, 172.

8. PORIZON SALTATOR. B. M.

Porizon saltator, *Grav.* iii. 777, 173.
Ichneumon saltator, *Fab. Spec.* 433, n. 79. *Ent. Syst.* 175, n. 173. *Vill.* 177, n. 127. *Oliv.* 190, n. 133. *Gmel. Syst. Nat.* 2694, n. 153.
Ophion saltator, *Fab. Piez.* 137, n. 34. *Walck.* 73, n. 6.

9. PORIZON MODERATOR. B. M.

Porizon moderator, *Grav.* iii. 783, 177.
Ichneumon moderator, *Linn. Faun. Suec.* n. 1617. *Müll. Faun. Fried.* n. 617. *Fab. Spec. Ins.* 433, n. 78. *Müll. Prod.* n. 1815. *Gmel. Syst. Nat.* 2693, n. 42. *Vill.* 170, n. 107. *Christ.* 373. *Oliv.* 190, n. 132.
Ophion moderator, *Fab. Piez.* 137, n. 33.

Subgenus 10. ATRACTODES.

Atractodes, *Grav.*

1. ATRACTODES BICOLOR. B. M.

Atractodes bicolor, *Grav.* iii. 791, 179.

2. ATRACTODES FOVEOLATUS. B. M.

Atractodes foveolatus, *Grav.* iii. 794, 181.

Genus 12. ACOENITES.

Acoenites, *Grav.*

1. ACOENITES ARATOR.

Acoenites arator, *Grav.* iii. 813, 5.
Ichneumon arator, *Rossi*, *Faun.* ii. n. 778.
In Mr. Desvignes' collection.

Genus 13. XORIDES.

Subgenus 1. XYLONOMUS.

Xylonomus, *Grav.*

1. XYLONOMUS PARVULUS.

Ichneumon præcatorius, *Fab. Ent. Syst.* ii. 139, n. 27. *Thunb. Ich.* n. 46.
Cryptus præcatorius, *Fab. Piez.* 72, n. 11.
Xorides præcatorius, *Lamarck.* 135.
♂. Xylonomus parvulus, *Grav.* iii. 825, 4.
♀. Xylonomus præcatorius, *Grav.* iii. 841, 12.
♂, ♀. In Mr. Desvignes' collection.

2. XYLONOMUS RUSTICUS, n. s.

Abdomine nigro. Pedibus anterioribus testaceis, posticis nigris; coxis elongatis badiis supra nigris, maculâ mediana castaneâ. Aculeo longitudine corporis.

Head black; mouth between the mandibles with short reddish hairs. Antennæ half the length of the body, recurved at the apex. Thorax cylindrical. Metathorax with two teeth on each side, one more prominent than the other; the central space, with hexagonal divisions between, punctate. Wings smoky hyaline; costa, stigma and scales fuscous; the base testaceous. Legs: the four anterior ones testaceous; coxæ chestnut; the base of the femora slender, compressed, much dilated at the apex; the tibiæ, as it were, composed of two joints, the base being very narrow, and then abruptly enlarged, and near the base of this part is an arcuated notch on the under part; the hinder pair of coxæ elongate, deep chestnut beneath, black above, with a central spot, somewhat of a lighter colour; in

one specimen nearly entirely fusco-ferruginous; all the trochanters, which are very short, black; hinder legs black; the femora regular, and the tibiæ not notched; the terminal joint of the anterior tarsi dusky. Abdomen nearly cylindrical; from the first to the third segments punctate; first segment very long, with a transverse depression before its apex; second segment a little broader, about half the length of the first, with a lunular depression at the basal angles, and a small fovea on each side beyond the middle; third segment two-thirds of the length of the second; fourth as long as the seventh; fifth and sixth short, equal; the third to the fifth ventral segments cultriform; the terebra inserted in the fifth, colour red; the ovipositors in the terminal abdominal segments; the apexes of the whole a little dilated, but ending in a sharp point. Length 7 lines

In Mr. Desvignes' collection. (Bewdley).

3. XYLONOMUS PILICORNIS. B. M.

Xylonomus pilicornis, *Grav.* iii. 833, 9. *Curt. Brit. Ent.* pl. 353.

4. XYLONOMUS GRAVENHORSTII. B. M.

Xylonomus Gravenhorstii, *Curt. Brit. Ent.* under folio 353.

Subgenus 2. XORIDES.

Xorides, *Grav.*

1. XORIDES NITENS. B. M.

♀. Xorides nitens, *Grav.* iii. 847, 13.

2. XORIDES ALBITARSUS. B. M.

♂. Xorides albitarsus, *Grav.* iii. 849, 15.

3. XORIDES SCUTELLARIS, n. s. B. M.

♂. *Facie flava.* ♀. *Orbitis oculorum internis flavis. Scutello flavo. Pedibus rufis, anterioribus maris dilute croceis; coxis et trochanteribus pallidioribus; tibiis et tarsis posticis,* ♂ *et* ♀, *nigris aut nigro-fuscis.* (*Aculeo abdomine paullo longiore*).

Head, ♂ face and frontal orbits, ♀ inner orbits yellow; palpi of the ♂ pale; of the ♀ ferruginous. Antennæ slender, subfiliform, half the length of the body; first joint of the ♂

beneath rusty. Thorax cylindrical; ♂ with a yellow line above the first pair of the coxæ leading to the collar, and on the breast a darker spot before each; a short yellow line below the scutellum ♂ and ♀. Wings, ♂, base and scales pale; ♀, ferruginous; costa and stigma dusky black; the latter in the ♂ palish in the centre. Legs elongate; ♂, anterior coxæ yellowish; legs pale fulvous, ♀ red; hinder tibiæ and tarsi, ♂ and ♀, blackish, with a whitish pubescence. Abdomen, ♂, cylindrical throughout; first segment four times longer than broad; the remaining segments of equal length, a little more than half the length of the first; ♀ deeply punctate, sides with a hoary pubescence; first segment twice as long as broad; third quadrate; fourth to the sixth transverse; seventh gradually sloping to the apex; the fifth ventral segment slightly protuberant. Aculeus a little longer than the abdomen, chestnut; valves stout, black. Length 5—7 lines.

♂, ♀. In Mr. Desvignes' collection.

Subgenus 3. ECTHRUS.

Ecthrus, *Grav.*

1. ECTHRUS RELUCTATOR. B. M.

Ichneumon reluctator, *Linn. Faun. Suec.* n. 1603. *Fab. Syst. Ent.* 333, n. 33. *Ent. Syst.* 150, n. 69. *Gmel. Syst. Nat.* 2686, n. 27. *Vill.* 160, n. 77. *Christ.* 355. *Panz. Faun. Ins. Germ.* fasc. 71, t. 13. *Schrank, Faun. Boica*, n. 2078. *Walck.* 56, n. 35, *Lamarck*, 138, n. 5.
Ecthrus reluctator, *Grav.* iii. 863, 19.
Cryptus reluctator, *Fab. Piez.* 79, n. 35.
Ichneumon reluctatorius, *Oliv.* 176, n. 62.
Ichneumon obex, *Müll. Prod.* n. 1794.
Ichneumon usurpator, *Scop. Carn.* n. 743. *Vill.* 161, n. 78. *Christ.* 353. *Oliv.* 212, n. 30.
Ichneumon rubiginosus, *Christ.* 353, t. 36, f. 2.

INDEX.

A.

abbreviator, 65
abdominator, 61
aberrans, 64
acarorum 65,67
accusator, 80
acuminator, 83
adustus, 2
æstivalis, 63
Æthecerus, 28
Æthiops 3, 45, 86
agilis, 66
agnata, 77
Agriotypus, 64
Agrothereates, 65
alarius, 71
albatorius, 54
albicinctus, 24, 95
albidus, 97
albifrons, 49
albilarvatus, 27
albimanus, 3
albinus, 50
albipalpus, 72
albipes, 85
albiscutatus, 83
albitarsus, 92, 95, 113
albiventris, 21
alboguttatus, 48
albolineatus, 10, 21, 32
albosignatus, 90
Alomya, 49
alternans, 85
alticola, 24
amatorius, 14, 21
ambiguus, 60
ambulator, 3
Amblyteles, 2, 6
ambulator, 3
amictum, 104
ammonius, 12
analis, 28, 55, 82
anator, 9
anatorius, 51
ancipiterus, 19
annulator, 4, 35
annulatus, 31
annulosus, 84
anodon, 43
Anomalon, 40, 47, 91, 103
anomolus, 97
antilope, 36
antiquus, 45
Apacleticus, 49
apiarius, 45
apostata, 99
apparitorius, 52
Aptesis, 65
areator, 64
arenarius, 72
argentatus, 100
argiola, 79
aries, 93
armatorius, 16, 53
armatus, 64
armillatorius, 39
armillatus, 99
Arotes, 95
arridens, 34
arrogans, 52
arvensis, 97
assertorius, 52
Atalantæ, 83
aterrima, 86
Atractodes, 111
atramentarius, 18
atricilla, 71
atrocaudatus, 48
atropos, 48
aulicus, 38
aurifluus, 44
aurifrons, 84
auspex, 1
axillaris, 41

B.

Banchus, 92
basalis, 42, 71
Bassus, 30, 55, 79, 89, 108
bellator, 81
bellicosus, 49, 109
bellipes, 13
bellosus, 59
bicinctus, 13
bicingulatus, 100
bicolor, 42, 66, 111
bicolorinus, 64
bicornis, 74, 80
bidentatus, 49
bidentorius, 20, 21
bifoveolata, 75
biguttatus, 2, 90
bilineatus, 8
bimaculatus, 43
binotatus, 10, 23
bipartitus, 14
bipilis secunda, 86
bipunctatus, 34
biscutatus, 9
bisignatus, 10, 20
bisulcus, 86
bivinctus, 51
bizonarius, 91
blandus, 30
bombycivorus, 108
Boops, 110
brachyacanthus, 40
Brachyterus, 31
brachypterus, 65
brachycentrus, 51
brachyurus, 55
brassicariæ, 84
brevicornis, 86
brunneiventris, 42
brunnicans, 41
brunnicornis, 4
buolianus, 109

C.

calcator, 37
calceatorius, 6
calcitrator, 108

caligatus, 38, 68
callicerus, 15
calobata, 84
calobatus, 93
Campoplex, 96
canaliculatus, 4
canescens, 100
capitatum, 104
carbonarius, 87
Cardui, 2
castaneus, 27
castanopyga, 27
castigator, 2
catenator, 77
celerator, 27
ceparum, 43
cephalotes, 40
ceratites, 75
cerinops, 105
cerophagus, 97
certator, 2
cessator, 6
Chasmodes, 8
chrysogaster, 36
chrysostictus, 99
chrysostomus, 68
Chyronomon, 47
cinctipes, 93
cinctorius, 25, 52
cinctulus, 33
cingulator, 64
cingulatus, 32
circumflexum, 103
clavator, 93
clavatorius, 9
clavipes, 4
clericus, 4
clandestinum, 105
Clistopyga, 82
coccineus, 80
cognatus, 6
collaris, 30, 72
colon, 39
Colpognathus. 27
combustus, 107
comitator, 1, 3, 8
compressus, 91, 92, 101
compunctor, 6, 37, 70, 86
computatorius, 10
confector, 27
confusorius, 12, 21
confutor, 53
congruens, 54
conspicuus, 39
constellatus, 21
contemplator, 85
coracinus, 81
coronatus, 46
corruscator, 20
corvinus, 68
coryphæus, 69
cothurnatus, 94
coxator, 108
crassicornis, 6, 92
crassipes, 28, 83
crassitarsus, 47
crassorius, 10
Cremastus, 109
crenicornus, 68
crispatorius, 17
cristator, 46
crocatorius, 21
crocatus, 48
croceicornis, 96
cruentatus, 72, 108
Crypturus, 89, 91
Cryptus, 2, 32, 49, 50
Cteniscus, 44
cubicularis, 15
culex, 4
culpatorius, 20, 25
cultrator, 101
cultratus, 92
cunctator, 84
cunctatorius, 84
cursitans, 67
Curtisii, 44
curvator, 45
curvus, 60
custodiator, 6
cyanator, 51
cylindrator, 80

D.

dealbatus, 18
debellator, 49
deceptor, 15
deceptorius, 15
decimator, 80
decipiens, 102
declinator, 102
defectiva, 77
defectivus, 35
defraudator, 24
deliratorius, 9
dentata, 89
dentatus, 89
deplanatus, 30
Dianæ, 55
Dicælotus, 4
dictator, 55
didyma, 84
difformis, 96
digitatus, 51, 59
digrammus, 7
dimidiatus, 6, 50
dirus, 3
dispar, 28
dissectorius, 88
divinator, 87
divisorius, 24
dryadum, 30
dubitatus, 20
dumeticola, 8
dumetorum, 60

E.

Ecthrus, 113
elegans, 30, 57, 89
elegantulus, 40
elongator, 40
emigrator, 55
enecator, 103
Enicospilus, 107
ensator, 102
Ephialtes, 86
Eristicus, 4
errabundus, 68
erythræus, 29
erythrinus, 57
erythrogaster, 24, 62
erythropalpus, 42
erythropus, 37
erythrostictus, 62
erythrostoma, 72
erythropygus, 17
exaltatorius, 48
examinator, 85
Exenterus, 44
Exephanes, 14, 21
Exetastes, 93
exiguus, 97
eximius, 21
Exochilum, 103
Exochus, 45
exornatus, 32, 50
expectatorius, 24
exsultans, 90
extensorius, 12, 21
extirpatorius, 39
exulans, 25
Euceros, 92
Eurylabus, 3

F.

fabricator, 4, 7
facialis, 43, 95
falcator, 93, 101
falcatorius, 93
fallax, 15
Farrani, 93
fasciatorius, 16, 17
fasciatus, 65, 66
faunus, 99
femoralis, 46
femorator, 73, 94
ferreus, 2
festinans, 67
festivator, 89
festivus, 89
fibulator, 105

filicornis, 35
Fischeri, 49
flagitator, 58
flagitatoris, 58
flaveolatum, 10
flavicans, 83
flavifrons, 105
flavilabris, 37
flavipes, 75, 85
flaviventris, 99
flavoguttatus, 22
flavolineata, 75
flavolineatus, 13, 90
flavoniger, 20
flavopictus, 33
foliator, 108
fornicator, 93
formosus, 39
fortipes, 35
fossorius, 6
fracticornis, 68
frenator, 45
frontalis, 78
fugatorius, 24
fugax, 34
fugitivus, 27
fulgurans, 71
fulveolatus, 67
fulvicornis, 72
fulvidens, 103
fulvilabris, 42
fulviventris, 100
fulvipes, 4, 62, 78
fulvus, 107
fumator, 60
fumipennis, 56
funerarius, 8
funereus, 8
fuscescens, 51
fuscicornis, 35, 66, 85
fuscipes, 6, 9
fuscus, 23
fusorius, 23

G.

gagates, 30
geniculator, 28
geniculatus, 85, 97
geniculosus, 34, 36
gladiatorius, 6
glaucatorius, 21
glaucopterus, 103
globulipes, 45
Glypta, 73
gracilicornis, 13, 14, 94
gracilipes, 31
gracilis, 36, 53, 67, 87, 98
guttatorius, 94
graminellæ, 84
Gravenshorstii, 12, 48, 112
gravipes, 46, 110
gravis, 46
grossorius, 13

H.

hæmorrhoidalis, 82
hæmosternus, 38
hæsitator, 73
harpurus, 110
hecticus, 87
Helictes, 72
Hemiteles, 62
hemipterator, 65
hemipterus, 65
Henaultii, 98
Hepiopelmus, 8
Herpestomus, 4
hilaris, 14, 25
Histrio, 87
Hopei, 58, 65
Hoplismenus, 49
hortensis, 66
hortorum, 77
hostilis, 53, 110

I.

Ichneumon, 1
illecebrator, 86
illuminatorius, 21
illusor, 94
impregnator, 43
impressor, 77
improbus, 60
impurator, 72
inanis, 87
incisa, 75
incisus, 83, 91
incitator, 82
incubitor, 28, 57
indefessus, 34
infirmus, 109
inguinalis, 86
inimicus, 63
inquinatus, 103
inquisitor, 85
insignis, 90
insignita, 79
insolens, 41
instigator, 86
insultator, 44
infernalis, 31
interruptorius, 17
interruptum, 106
involutor, 43
iocerus, 14
iridipennis, 7
ischioleucus, 54
Ischiomelinus, 28
Ischnoceros, 70
Ischnus, 30
italicus, 37

J.

jejunator, 61
jocator, 110
jucundus, 59
jugatus, 8

L.

labiatus, 93
lacteator, 57
lætatorius, 90, 91
lævigator, 94
lævigatus, 36
laminatorius, 9
Lampronota, 68, 77
lanquidus, 8
lanius, 24
larius, 91
larvatus, 6, 60
lateralis, 42, 90, 96
laticeps, 40
latrator, 27
latro, 106
lautatorius, 18
lentorius, 23
leptocerus, 34, 36
leucomelas, 10
leucopsis, 52
leucopterus, 86
leucopus, 51
leucopygus, 6
leucostictos, 52, 54
leucostomus, 31
leucotarsus, 53
lictor, 47
ligator, 62
limitaris, 31
linearis, 67, 77
lineata, 76
lineator, 2
lineolus, 42
Lissonota, 77
Listrodromus, 18
longipes, 41, 100
luctatorius, 11, 12, 20
luctuosus, 8
lugens, 8
luridus, 3, 20
luteifrons, 40
luteiventris, 48
luteus, 103, 106, 107
lutorius, 48

M.

macrobatus, 50
Macrocoleus, 96
Macrus, 96
maculatoria, 79
maculatorius, 79
maculicollis, 37
maculicornis, 4
maculifrons, 2
maculiventris, 5
majalis, 96
mandator, 40
manifestator, 86, 87
mansuetor, 46
marginatorius, 13, 45
marginatus, 108
maurus, 45
mediator, 88
mediatorius, 21
melanarius, 63
melanobatum, 105
melanocastanus, 27
melanocephala, 66, 83
melanocephalus, 32, 66
melanogaster, 8
melanogonus, 28
melanops, 83
melanoxanthus, 84
meloleptoides, 44
mensurator, 75
mercator, 101
merdarius, 107
mesocentrus, 87
Mesoleptus, 31
Mesostenus, 62
messorius, 25
Metopius, 88
micator, 63
micratorius, 89
microcephalus, 10
Microleptes, 31
micropterus, 65
migrator, 55
minator, 110
minutorius, 22
mirabile, 104
mirabilis, 35
mitigosus, 42
mixtus, 101
moderator, 111
modestus, 64
mœstus, 30, 32, 49, 102
molitorius, 8, 9, 10, 21
monileatus, 93
monitorius, 17
monoceros, 75
monticola, 1
moratorius, 21
moschator, 51
motatorius, 15
mundus, 35
mutabilis, 28
multiannulatus, 9
multicinctus, 100
multicolor, 82
multipictus, 15
Mutilla, 65
mutillarius, 67
mutillatus, 67, 92
muriua, 80
myrtillus, 99

N.

nanus, 37, 96
narrator, 2
natatorius, 21
necatorius, 89
negatorius, 14
nemoralis, 34
nedulator, 101
niger, 37, 68
nigerrimus, 2
nigra, 49
nigratorius, 8, 9
nigriceps, 33
nigricornis, 2
nigricollis, 40
nigrina, 74
nigripes, 53
nigritarius, 2, 3
nigrocaudatus, 48
nigrocincta, 65
nigrocinctus, 65
nigroculus, 83
nigrocyaneus, 2
nigrolineatus, 39
nitidus, 37, 60
niveatus, 25
nobilitator, 29
notabilis, 79
notatus, 42
nutritor, 110
nycthemerus, 18

O.

obator, 5
obex, 113
oblongus, 27
obnoxius, 62
obscurus, 55, 69, 106
occisor, 101
occisorius, 13, 18
oculatoria, 84
oculatorius, 84
occupator, 21
ochropis, 7
octoguttatus, 14
olerum, 71
Ophion, 96, 105, 106, 108
opprimator, 28
opticus, 38
oratorius, 18
orbitalis, 98
ornatorius, 14
ornatus, 57, 69, 90
Orthocentrus, 91
osculatorius, 94
ovator, 49

P.

Pachymerus, 108
palliatorius, 17
pallidatorius, 7
pallidicornis, 13
pallidus, 32
pallifrons, 2
palpator, 63
paludator, 10
Paniscus, 102
Panzeri, 14
papilionis, 63
parallela, 79
parviventris, 61
parvulus, 51, 111
pavonius, 30
pectoralis, 32, 47
pectoratorius, 90
pedata, 74
pedatorius, 7
pedicularius, 65, 67
pedestrinus, 6
pellucidator, 55
Peltastes, 89
pennator, 85
percontatoria, 82
peregrinator, 56
perfidus, 102
perisclis, 2
perniciosus, 49
perquisitor, 85
perspicillator, 53, 105
persuasoria, 88
petiolatus, 108
Pezomachus, 64
Phægenes, 28
Phæogines, 4
phæorrhæus, 44
phœnicea, 82
Phygadeuon, 24, 59
Phytodietus, 68
pictus, 14, 50, 90, 92, 93
pilicornis, 112
Pimpla, 78, 83
pinguis, 37
pini, 89
pisorius, 24
pistorius, 9
placidus, 97
plæsseus, 85

plagiator, 61
plantarius, 68
Platylabus, 48
platyuri, 3
Plectiscus, 72, 82
podagrica, 82
podagricus, 45, 62
politus, 71
Polysphincta, 81
Porizon, 110
porrectorius, 30
præcatorius, 111
prærogator, 36
primatorius, 13
Pristiceros, 30
Pristomerus, 108
procerus, 61
procurator, 42
proditor, 43
profligator, 61
prosoleucus, 34
prosopius, 46
Proteus, 9
pugillator, 101
pulicarius, 66
pumilio, 59
pumilus, 4
punctator, 86
pygoleucus, 54
pyrrhopus, 27

Q.

quadrialbatus, 9
quadratus, 44
quadrilineatus, 41, 54
quadrimaculatus, 17
quadrinotatus, 13
quadripunctorius, 21
quadrispinus, 60
quadripunctatus, 83
quæsitorius, 10
quinquecinctus, 38

R.

rapinator, 37
raptorius, 12, 14
Rayella, 87
ramidulus, 107
Reaumur, 103
relucens, 11
reluctator, 113
reluctatorius, 113
repsaliensis, 27
resinellæ, 86
restaurator, 8
Rhyssa, 88
ridibundus, 15, 63
Rœselii, 51
rubedinis, 29
rubellus, 4
rubiginosus, 113
rubiventris, 27
rufata, 84
rufatorius, 17
rufatus, 84
rufescens, 29, 85
ruficeps, 29, 55, 76
ruficinctus, 102
ruficingulus, 2
ruficollis, 29, 83, 88
ruficorne, 105
ruficornis, 33
rufifrons, 4, 7
rufimanus, 102
rufinus, 24, 60
rufipes, 3, 90, 96
rufiventris, 52, 89, 100
rufoniger, 35, 58
rufulus, 39
rufus, 39, 48
rusticus, 70, 112
rutilator, 43

S.

salicatorius, 10
saltator, 110
sanguinator, 29, 58
sanguinatorius, 13
sanguineus, 14
sanguinicollis, 39
sarcitorius, 13, 16
sartorius, 14
saturatorius, 9, 14
scabriculus, 68
scalaris, 75
scanica, 85
scanicus, 85
Schizopyga, 82
Scirpi, 52
Scolobates, 47
Scoticus, 41
scotopterus, 40
sculpturata, 73
scurra, 88
scutellaris, 113
scutellator, 7
scutellatus, 70, 83
sedulus, 24, 54
segmentator, 69, 78
semicaligatus, 41
seminiger, 35
semiorbitalis, 8
semirufa, 81
semirufus, 24, 59
semivulpinus, 27
seniculus, 97
serotinus, 47
sericans, 71
serrarius, 30
serricornis, 92
setosa, 77
setosus, 77
sexlituratus, 44
sicarius, 8, 88
signator, 43
signatorius, 59
signatus, 89
similatorius, 23, 24
similis, 63
sordidus, 33, 96
sulcator, 89
spectator, 54, 109
speculator, 83
spheginus, 34
Sphinctus, 47
spilonotus, 35
Spinola, 61
splendidulus, 70
Splenium, 71
spoliator, 10
Sponsor, 55
stercorator, 84, 85
sternoleucus, 36
Stevenii, 66
stictictator, 83
sticticus, 32
stimulator, 4
stomaticus, 51
stramentarius, 12, 21
strigator, 90
suavis, 15
subcinctus, 54
subcompressus, 34
subfalcatus, 101
subfasciatus, 42
submarginatus, 31
subnitidus, 37
suborbitalis, 34, 77
subpetiolatus, 51
subsericans, 6
sugillatorius, 21
sulphuratus, 35
sulphurifera, 77
surratus, 101
sylvarum, 71

T.

Talpa, 47
tarsator, 93
tarsoleucus, 51
tenuicorne, 105
tenuitarsum, 106
teres, 73
tergenus, 28
terminatorius, 12, 21
terminatus, 24, 59
testaceus, 32, 40, 67, 70, 103

Therion, 103
thoracicus, 32, 70
tibialis, 4, 96
tibiator, 4, 54
tinctorius, 53
tipularius, 71
Trychynotus, 108
transfuga, 6, 62, 99
Trichomma, 103
trichrous, 6
tricingulata, 82
tricolor, 39, 53
trifasciatus, 17
trilineatus, 7
trimaculatus, 33
trisculptus, 41
tristator, 62
tristis, 3
trituberculatus, 49
Trogus, 48
trucidator, 6
truncatus, 107
Tryphon, 31, 36, 44
tuberculatus, 86
tumidus, 56
turionellæ, 85
typhæ, 34

U.

umbellatarum, 93
umbraculosus, 8
undecim-notatus, 33
undulatus, 107
uniguttatus, 50
ustulatus, 38
usurpator, 113

V.

vadatorius, 14
vagabundus, 61
vagans, 66
vaginatorius, 14, 16, 92
variabilis, 61
variator, 36
varicornis, 84
variegator, 92
variegatorius, 22
variegatus, 84
varipes, 81
varitarsus, 40
varius, 72, 83, 87
venator, 93
venosus, 32
ventricosus, 108
Vepretorum, 37
verberans, 80
vernalis, 42
vesparum, 47
vespoides, 89
vestigator, 15
vicinus, 63
victor, 49
viduatorius, 52
viennensis, 97
vigilatorius, 93
Vinctus, 83
Vinulæ, 107
virgatus, 102
virgultorum, 38
volutatorius, 92, 93
volubilis, 53
vulnerator, 73, 108
Vulpes, 83
vulpinus, 66
vorax, 20

W.

Waltoni, 36

X.

xanthius, 17
xanthopus, 105
xanthorius, 16, 20
Xorides, 111
Xylonomus, 111

Z.

zonatus, 42

ERRATUM.

Page 115, column 1, line 12 from bottom, *for* alticola, 24, *read* alticola, 7, 24.

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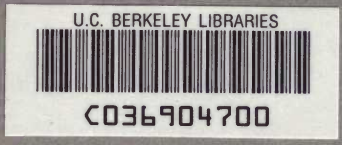
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